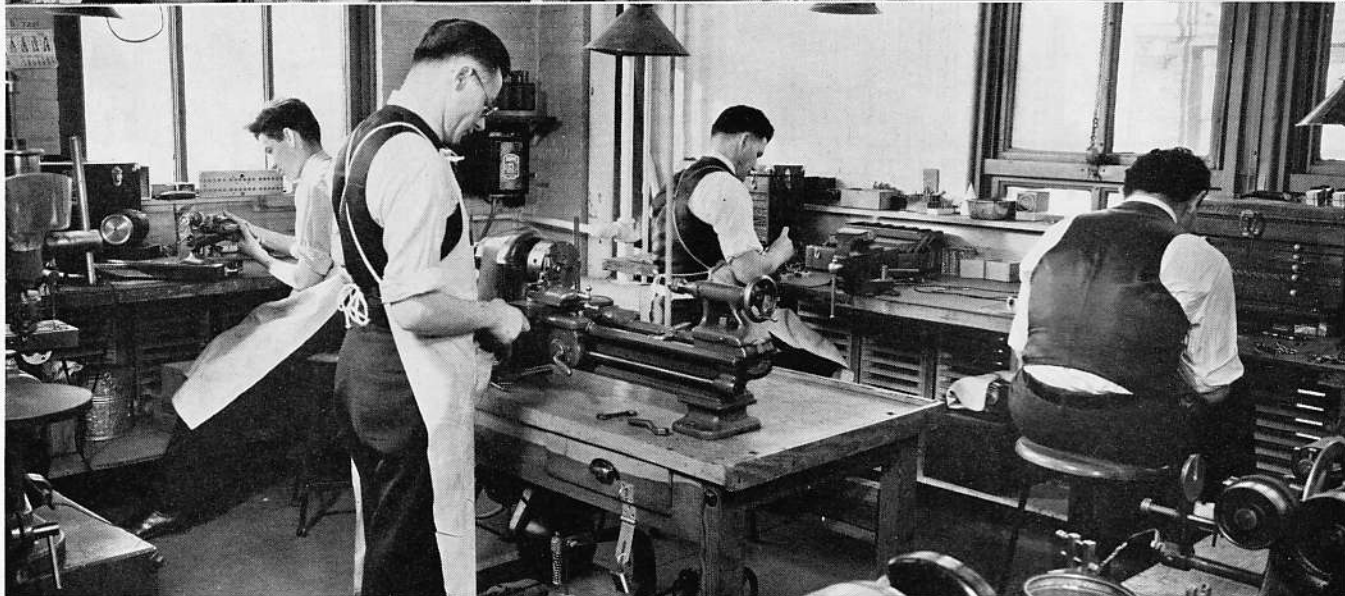


PRESTO

Instantaneous
**SOUND RECORDING
EQUIPMENT and DISCS**

PRESTO RECORDING CORP., 242 W. 55th St., New York, U.S.A.



WHERE PRESTO RECORDERS ARE MADE

INTRODUCTION

THE Presto Recording Corporation manufactures two distinct classes of equipment. One is designed for professional users such as phonograph record manufacturers, commercial transcription studios, and broadcasting stations. This equipment, described on the white pages of this catalog, is designed to produce the finest instantaneous recordings possible in the present state of the art.

The second class of equipment, designated as the commercial and educational line, is described on the buff colored pages and is designed to produce recordings of the best quality, consistent with a reasonable cost to the purchaser. The latter group of equipment is used mainly by broadcasting stations, schools and colleges, advertising agencies, industrial organizations, the smaller recording studios, orchestra leaders, and individual actors and musicians.

The professional equipment is sold to the user through an organization of direct factory representatives covering the entire United States.

These factory representatives, having from two to four years experience in the operation and uses of Presto equipment, are thoroughly qualified to advise purchasers on the technicalities of recording and the application of recording equipment in its many fields of usefulness.

The commercial equipment as well as blank discs and needles are sold through a group of sound equipment distributors located in principal cities.

Distribution in foreign countries is handled by agents appointed by the Export Division. Each of these agents is supplied with up-to-date information on Presto equipment and is capable of giving technical advice on its operation.

All requests for special information or advice should be sent either to the factory representatives or directly to the Engineering Department at the factory. Prices shown in the catalog apply to domestic purchases only and will be higher in foreign countries to cover transportation, duties and taxes.

How to Order

All equipment should be ordered by type number or code word. In ordering, kindly give particular attention to the footnotes indicating further information required in addition to the type number. Complete recorders are designated by a letter followed by a numeral. Where the same fundamental model is furnished in several different forms, the change is indicated by the numeral, as Y-2, Y-4, etc. Component parts and accessories are designated by a numeral followed by a letter. The numeral indicates the fundamental type and the following letter indicates improvements, additions or changes, as 85-A, 85-B, 85-E, etc.

For detailed description of component parts of equipment refer to "Index of type numbers".

Telegraph and Cable Orders

Our office is equipped with a Western Union teletype printer for prompt handling of orders and messages. For quick service, address Presto Recording Corporation, WX, New York. Use code words to save expense in telegraphing orders.

Shipping Instructions

On all orders, the method of transportation should be specified. In the absence of this information, we will ship by Railway Express. All prices are F.O.B., New York, N. Y., and include domestic packing charges.

Terms

Net thirty days if satisfactory credit information accompanies order. Shipments are otherwise made C.O.D. Remittances should be made payable at par in New York funds.

Prices

Subject to change without notice. Unless otherwise specified, formal quotations are open for acceptance within thirty days.

Quantity Discounts

Quantity discounts on discs are quoted only by authorized Presto distributors. No price quotations on discs are made directly from the factory.

Specifications

We reserve the right to change specifications of any equipment without assuming any obligation to include the new features or improvements in instruments previously sold.

Guarantee

The Presto Recording Corporation guarantees to repair or replace, without charge, any equipment or part thereof which shows a defect due to workmanship or materials within ninety days after the date of sale. To obtain free service or replacements under this guarantee, the equipment or part must be returned, transportation prepaid, either to the Presto factory or to the distributor from whom it was purchased.

Returns and Replacements

Before returning instruments for repair or service, kindly ask our Service Department for shipping instructions and return authorization forms. We cannot assume responsibility for any charges incurred in returning equipment without our authorization. When ordering replacement parts, give the type and serial number of the equipment for which the part is required together with the exact date of purchase and the name of the agent or distributor from whom the equipment was purchased.



PRESTO RECORDING CORPORATION
NEW YORK, U. S. A.

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PRESTO RECORDING CORPORATION

NEW YORK, U. S. A.

PRESTO MODEL "A" RECORDER



THE model A recorder is composed of the finest grade of equipment throughout. Proof of its exceptional performance is the fact that it is used extensively by all three of the major broadcasting networks as well as the largest phonograph record manufacturers and commercial transcription studios. It makes lateral recordings that reproduce the widest frequency

range with the lowest background noise level possible to obtain under practical operating conditions.

The model A equipment forms two complete recording channels capable of recording continuously, recording two different 15 minutes transcriptions simultaneously or making two duplicate transcriptions of the same 15 minute program.

SPECIFICATIONS

Standard Equipment: Includes one 28-A turntable unit and one 200-A amplifier unit.

The 28-A turntable unit is composed of two 8-A recording turntables mounted in a 92-A table equipped with 86-A control panel. The 200-A amplifier unit contains one 50-B radio tuner, two 85-B recording amplifiers, three 40-B pre-amplifiers, one 130-B mixing panel, one 42-A patching panel and associated power supplies mounted and wired in a 68" fully enclosed relay rack. **Accessories required for the operation of this recorder include microphones, discs and needles.)**

Frequency Response: Amplifiers, 30 to 15,000 cycles; cutting heads, 50 to 8,000 cycles; response in above

ranges uniform within 2 db. Pickups, for checking purposes only, 70 to 7,500 cycles.

Noise Level: Total of all electrical and mechanical noise, originating in equipment over 50 db below maximum useful sound level reproduced from the recordings.

Impedances: Inputs to pre-amplifiers 50/200/500 ohms. Input and output impedances of recording amplifiers 500 ohms. Cutters and pickups, 500 ohms. Radio tuner output, 500 ohms.

Gain: Pre-amplifiers, 55 db. Recording amplifiers, 90 db.

Radio Tuner: Band pass TRF type, tuning range 500 to 1750 kc. Average output level 0 db. Selectivity at 1,000 kc., minus 5 db at 18 kc. limits.

Power Output: Recording amplifiers, 10 watts.

Tube Complement: Pre-amplifiers, 2 type 1221. Recording amplifiers 1st stage 2 type 1221; 2nd stage 2 type 6-C-5-G; 3rd stage 2 type 2A3's P.P.; rectifier type 5Z3. Radio tuner 1st R-6-D-6; 2nd R-6-D-6; 3rd R-6-D-6; D type 76; A type 76; AVC-76. Radio tuner receives plate power from recording amplifier chassis.

Controls: The 86-A control panel contains a volume indicator meter, switches for changing cutters and pickups, a selector switch for changing the peak frequency of the equalizer, a selector switch for connecting the cutting heads to two separate lines or in parallel on a single line or alternately on a single line and a volume control. Amplifier controls include the radio tuner dial, power switch and volume control; selector switch for connecting the amplifiers to play or record from the radio, playback records, record from the microphone or operate as public address system. Separate volume controls and volume indicator meters are supplied on each amplifier and three mixer controls on the outputs of the pre-amplifiers.

The 42-A patching panel contains 24 double jacks for connections to various program lines. Connections for the turntables, microphones and power leads are brought out at the right side of the rack.

Microscope. Magnification, 40 power, equipped with extension arm and light. Field in focus, 7 grooves.

Cutting Pitch: Standard feedscrews cut 112 lines an inch, inside-out. Feedscrews for 96 or 120 lines an inch inside-out, or outside-in substituted at purchaser's request.

Speed Accuracy: Within .4% at both 78 and 33 $\frac{1}{3}$ RPM. Regulation within a single revolution is accurate to .2%.

Power Requirements: Standard equipment draws 500 watts on a 110 volt, 60 cycle line. Available for other voltages and frequencies without additional charge.

Operating Clearances: Overall clearance required for 28-A turntable unit: L-64" X D-32" X H-53" (163 X 81 X 135 cm.) The 92-A table mounts the turntables 44" (112 cm) above the floor level for operating from a standing position. Amplifier dimensions are W-23" X D-16" X H-68" (58 X 41 X 173 cm.).

Finish: The 92-A table is finished in smooth gray enamel, all metal parts in gray crackle enamel with chromium trim.

Shipping Dimensions and Weights: The complete model A recorder is packed for shipment in six cases. No's 1 and 2 contain the cutting mechanisms. Each measures 26" x 19" x 15" (66 x 48 x 38 cm.) and weighs 20 lbs. (9 kg.) No. 3 contains the top of the 92-A table and the turntable chasses, measures 57" x 36" x 20" (145 x 91 x 51 cm.) and weighs 190 lbs. (86 kg.) No. 4 contains the table legs and hardware measures 33" x 11" x 11" (84 x 28 x 28 cm.) weighs 40 lbs. (18 kg.) No. 5 contains the



TYPE 200-A AMPLIFIER UNIT

microscopes, pickup heads and idler wheels, measures 16" x 16" x 12" (41 x 41 x 31 cm.) weighs 15 lbs. (7 kg.). No. 6 contains the amplifier unit, measures 22" x 20" x 74" (56 x 51 x 188 cm.) and weighs 90 lbs. (41 kg.).

TYPE	DESCRIPTION	PRICE	CODE
28-A	Turntable Unit	\$2,140.00	AMORE
200-A	Amplifier Unit	1,282.00	AMANK

PRESTO RECORDING CORPORATION
NEW YORK, U. S. A.

Presto Model "B" Recorder



THE MODEL B recorder includes two 16", dual speed recording turntables and a single amplifier channel suitable for recording continuously on records up to the 17 $\frac{1}{4}$ " master size or for re-recording complete 15 minute programs.

The 26-B turntable equipment is lighter in construction and not as versatile as the 28-A unit but is capable of making recordings that are equally acceptable for all practical uses. The tables are equipped with the necessary facilities for making commercial recordings including auto-

matic equalizers, vibration dampers, spiralling feed screws and time scales.

The 200-B amplifier system is similar in appearance to the 200-A system. Space is available to install the additional equipment included with the 200-A system if desired.

The model B recorder is recommended to stations and studios that wish to make recordings of professional quality with a minimum investment in equipment.

SPECIFICATIONS

Standard Equipment: The model B recorder consists of one 26-B turntable unit and one 200-B amplifier unit. The 26-B turntable unit contains one 6-E and one 6-F recording turntable mounted in a 92-A table equipped with 86-B control panel. The 200-B amplifier unit contains one 50-B radio tuner, one 85-B recording amplifier, two 40-B preamplifiers, one 130-B mixing panel, one 42-A patching panel and associated power supplies mounted and wired in a 68" fully enclosed relay rack. **Accessories necessary to operate the equipment include microphones, discs and needles which must be ordered separately.**

Frequency Response: Amplifiers, 30 to 15,000 cycles; cutting head 50 to 8,000 cycles. Response in above ranges

uniform within 2 db. Pickups, for checking purposes only, 70 to 7,500 cycles.

Noise Level: Total of all electrical and mechanical noise, originating in equipment, over 45 db below maximum useful sound level reproduced from the recordings.

Speed Accuracy: Within .4% at both 78 and 33 $\frac{1}{3}$ RPM. Regulation within a single revolution accurate to .2%.

Cutting Pitch: Standard feedscrews cut 112 lines an inch, inside-out. Feedscrews for 96 or 120 lines an inch inside-out or outside-in substituted at purchaser's request.

Tube Complement: Pre-amplifier, two 1221's. Recording amplifier, 1st stage, two 1221's. 2nd stage two 6-C-5-G.

3rd stage, two 2A3's P.P. Rectifier, type 5Z3. Radio tuner, 1st-2nd and 3rd R.F.—6D6; D, 1st A and AVC 76's. Power for the pre-amplifier and plate power for the 50-B radio tuner are furnished by the 85-B amplifier chassis.

Impedances: Input to pre-amplifiers, 50/200/500 ohms. Input and output impedances of recording amplifier, 500 ohms. Impedance of cutters and pickups, 500 ohms. Radio tuner, 500 ohms.

Gain: Pre-amplifiers, 55 db. recording amplifier 90 db.

Power Output: Recording amplifier 10 watts.

Radio Tuner: Band-pass TRF type, tuning range 500 to 1750 kc., average output level 0 db.

Controls: The 86-B control panel contains a volume indicator meter, switches transferring the amplifier and automatic equalizer to either cutter and pickup for continuous recording or re-recording, a selector switch for changing the peak frequency of the equalizer and a volume control. Other controls include radio tuner dial, power switch and volume control, recording amplifier volume control, selector switch for connecting the amplifier to play or record from the radio, playback records, record from the microphones or operate as a public address system and two mixer controls on the outputs of the pre-amplifiers. The 42-A patching panel contains 24 double jacks. Connections for the turntables, microphones and power leads are brought out at the right side of the rack.

Power Requirements: Standard equipment draws 180 watts on a 110 volt, 60 cycle line. Available for, 220/240 volts, 50 or 60 cycles (not both) at no additional cost.

Operating Clearances: Overall clearance required for operating the 26-B turntable are L-52" x D-32" x H-50". (132x81x127 cm.) The 92-A table mounts the turntables 44" (112 cm.) above the floor level for operating from a standing position.

Amplifier dimensions are W-23" x D-16" x H-68". (58 x 41x173 cm.)

Finish: The 92-A table is finished in gray enamel. All metal parts are finished in gray crackle enamel with chromium trim.

Shipping Dimensions & Weight: The complete model B recorder is packed for shipment in 3 cases and 1 carton. No. 1 contains the top of the 92-A table and the turntable chassis, measures 67"x39"x19" (170x99x48 cm.) and weighs 165 lbs. (74 kg.). No 2 contains the table legs and hardware, measures 11"x11"x32" (28x28x81 cm.) and weighs 40 lbs. (18 kg.). No. 3 (carton) contains the pickup heads and idler pulleys, measures 10"x10"x7" (25x25x18 cm.) weighs 15 lbs. (7 kg.). No. 4 case contains the ampli-



TYPE 200-B AMPLIFIER UNIT

fier unit, measures 29"x22"x74" (74x56x188 cm.) weighs 90 lbs. (41 kg.).

TYPE	DESCRIPTION	PRICE	CODE
26-B	Turntable unit.	\$1,395.00	BEARE
200-B	Amplifier unit	938.00	BISAP

PRESTO RECORDING CORPORATION
NEW YORK, U. S. A.

PRESTO MODEL "F" RECORDER



A MEDIUM priced recording installation for radio stations that record half hour programs for delayed broadcasts, schools that record half and one hour educational programs and personal recording studios that require facilities for duplicating records or re-recording 15 minute transcriptions on 78 RPM records

that can be played in the home . . . Equipped with the highest quality Presto cutting heads and an amplifier designed especially for recording, the model F recorder may be expected to make records comparable in quality to those made on the highest priced equipment.

SPECIFICATIONS

Standard Equipment: The model F recorder consists of two 75-A 16" recording turntables and an 87-C amplifier completely wired and mounted in the 93-A table.

The 16", dual speed turntables are equipped with Presto high fidelity cutting heads, vertical dampers, time scales and an underneath cutter feed mechanism that may be adjusted instantly to cut from outside-in or inside-out.

The amplifier includes a two microphone mixer and high and low frequency equalizers which make it possible to produce recordings with exceptionally low background noise. **Accessories necessary to operate the recorder include microphones, loudspeaker, discs and needles which must be ordered separately.**

Frequency Response: Amplifier, adjusted for flat response, 30 to 10,000 cycles. Turned to the right the treble control produces a maximum peak of 17 db. at 6,500 cycles. Turned to the left it acts as a scratch filter giving a maximum attenuation of 20 db. at 5,000 cycles. The bass control produces a maximum peak of 20 db. at 80 cycles. Cutting head response 50 to 8000 cycles. Response in above ranges is uniform within 2 db. Pickups, for checking purpose only, 70 to 7500 cycles.

Noise Level: Total of all electrical and mechanical noise, originating in equipment, over 45 db below maximum useful sound level reproduced from the recordings.

Tube Complement: First stage 2 type 6-S-J-7's, second stage 6-N-7, third and fourth stages 6-C-8-G's, power stage 2 A3's P.P. rectifier type 5Z3.

Impedances: Microphone inputs 50, 200 or 500 ohms as specified by purchaser. Line input jack 500 ohms. Amplifier output 8 ohms. Cutter 8 ohms. Pickup 500 ohms.

Gain: Amplifier, adjusted for flat response, 120 db.

Power Output: Amplifier, 10 watts.

Controls: Amplifier controls include two micro-

phone input gain controls, playback volume control and continuously variable treble and bass equalizer controls, a switch for changing instantly between cutting heads and pickups and a selector switch which connects the amplifier for recording, playback or public address operation. Amplifier panel also contains a volume indicator meter, telephone line input jack, monitor jack, two turntable receptacles, two microphone receptacles and a power switch.

Speed Accuracy: Within .4% at both 78 and 33 $\frac{1}{3}$ RPM. Regulation within a single revolution is accurate to .2%.

Cutting Pitch: 112 lines an inch, inside-out or outside-in, permitting a full 15 minute recording on one side of a 16" disc.

Power Requirements: Standard equipment draws 250 watts on a 110 volt, 60 cycle line. Available for 220/240 volts or 50 cycles at no additional cost.

Finish: The 93-A table and amplifier panel are finished in smooth gray enamel. Turntables are finished in gray crackle enamel with chromium trim.

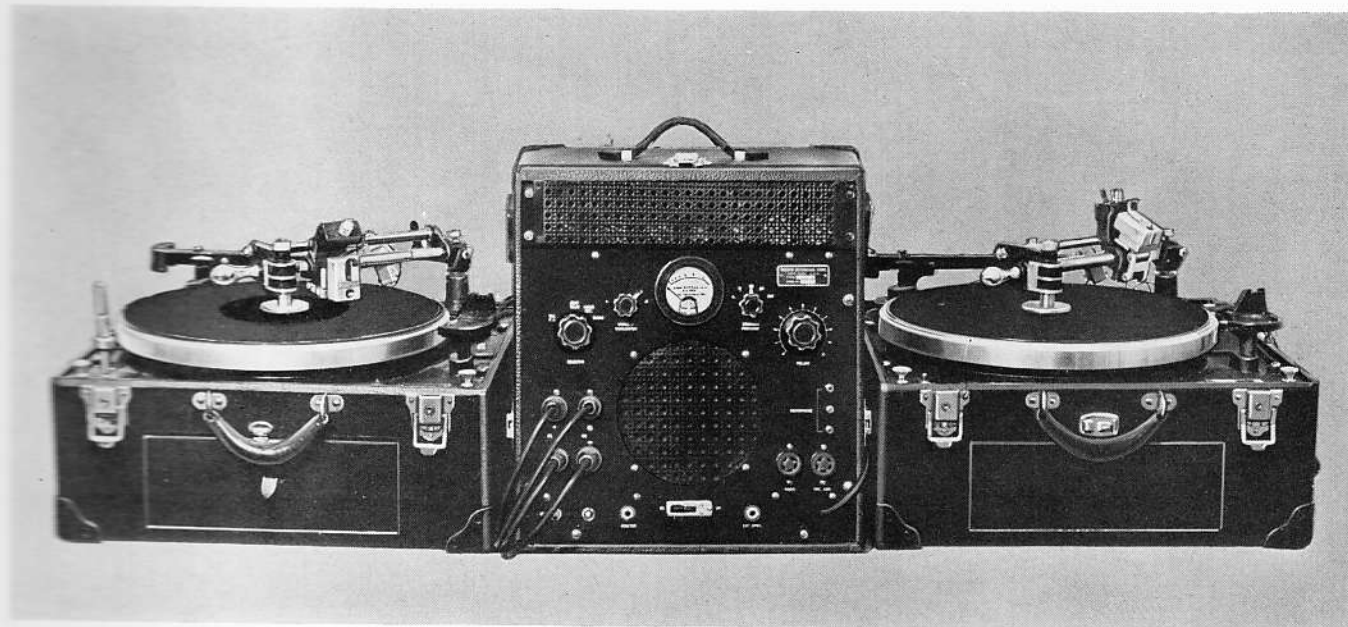
Operating Clearances: Overall clearances required for operating recorder 67x19x52 (171x48 x132). The 93-A table mounts the turntables 33" (84 cm.) above the floor level suitable for operation from a sitting position. Amplifier panel is hinged to move forward for tube replacement.

Shipping Dimensions and Weight: The complete Model F recorder is packed for shipment in one case measuring 71x23x56" (181x59x143 cm.) weighing 300 lbs. (135 kg.).

TYPE	DESCRIPTION	PRICE	CODE
F-1	Complete recording installation	\$1,075.00	FENCE

PRESTO RECORDING CORPORATION
NEW YORK, U. S. A.

PRESTO MODEL "C" RECORDER



THE original Presto portable recorder developed in 1936 and still giving dependable service to hundreds of users. Now greatly improved in performance and operating convenience, the model C recorder is recommended for motion picture producers, industrial concerns, radio stations and others that are required to

make high quality recordings outside of the studio. Mounted in convenient carrying cases and equipped with connecting cables, it may be set up for operation in less than five minutes. Records continuously on records up to the 17 $\frac{1}{4}$ " master size and re-records phonograph records or complete 15 minute transcriptions.

SPECIFICATIONS

Standard Equipment: The model C-1 recorder includes one 6-D recording turntable mounted in the I-A reinforced, leatherette carrying case, one 85-E portable recording amplifier with manual equalizer and one 40-A portable pre-amplifier. The model C-2 recorder is identical except that it includes two 6-D recording turntables. Accessory equipment which may be added to the model C recorder, if desired, includes: the 160-A or 160-B automatic equalizer, the 15-spiralling feedscrew, the 20-B time scale and the 50-A radio tuner. **Accessories necessary to operate the recorder include microphone and stand, discs and needles which must be ordered separately.**

Frequency Response: Amplifiers, 30 to 15,000 cycles; cutting heads, 50-8,000 cycles; Response in above ranges uniform within 2 db. Pickups, for checking purposes only, 70 to 7,500 cycles.

Noise Level: Total of all electrical and mechanical noise, originating in equipment, over 45 db below maximum useful sound level reproduced from recordings.

Impedances: Input to preamplifier, 50/200/500 ohms. Input and output impedances of recording amplifier, 500 ohms. Cutters and pickups 500 ohms.

Gain: Pre-amplifier, 55 db. Recording amplifier 90 db.

Power Output: Recording amplifier, 10 watts.

Tube Complement: Preamplifier, 2 type 1221. Recording amplifier, 1st stage 2 type 1221, 2nd stage 2 type 6-C-5-G, 3rd stage 2 type 2A3's PP, rectifier type 5Z3. Power for the 40-A pre-amplifier is supplied by the 85E amplifier chassis.

Controls: Pre-amplifier panel has selector switch for using 50, 200 or 500 ohm microphone. Recording amplifier panel contains a selector switch for playing or recording from the radio, playing recordings, recording from the microphone or public address operation, a selector switch for changing the peak frequency of the equalizer, an equalizer slope control, master volume control, changeover switch for cutters and pickups, receptacles for connecting two turntables, preamplifier and radio tuner, external speaker and monitor jacks and a power switch.

Power Requirements: Type 6D turntables draw 60 watts each and the 85E and 40-A preamplifier draw 120 watts total from a 110 volt 60 cycle line. Available for 220 or 240 volts, 50 or 60 cycles at no additional cost.

Cutting Pitch: Standard feedscrews cut 112 lines an inch, inside-out. Feedscrews for 96 or 120 lines an inch outside-in or inside-out substituted at purchaser's request.

Speed Accuracy: Within .4% at both 78 and 33 $\frac{1}{3}$ RPM. Regulation within a single revolution is accurate to .2%.



TYPE 40-A PORTABLE PREAMPLIFIER

Operating Dimensions and Weights: With cases closed, 6-D turntable measures 20 $\frac{1}{4}$ "x20"x15" (52x51x38 cm.), weighs 67 lbs. (30 kg.); 85E amplifier measures 17"x13"x18 $\frac{1}{2}$ " (43x33x47 cm.), weighs 53 lbs. (24 kg.); 40-A preamplifier measures, 15"x8"x10" (38x20x25 cm.), weighs 18 lbs. (8 kg.).

Finish: Carrying cases, black leatherette, metal parts black enamel with chromium trim.

Shipping Dimensions and Weights: The 6-D table is packed for shipment in a case measuring 36"x28"x19" (92x71x48 cm.), weighing 95 lbs. (43 kg.). The 85-E amplifier is packed in a case measuring 30"x22"x24" (76x56x61 cm.) weighing 87 lbs. (39 kg.). The 40-A preamplifier is packed in a case measuring 27"x21"x12" (69x53x31 cm.), weighing 30 lbs. (14 kg.).

TYPE	DESCRIPTION	PRICE	CODE
C-1	Complete recorder	819.00	CABBY
C-2	Complete recorder	\$1,219.00	CALEX

PRESTO RECORDING CORPORATION
NEW YORK, U. S. A.

PRESTO MODEL "Y" RECORDER



THE PRESTO model Y recorder fills the need for a 16" transcription recording and playback equipment which is extremely portable and yet capable of producing high grade recordings. It makes continuous 15 minute, $33\frac{1}{3}$ RPM electrical transcriptions of sufficiently good quality to be used by broadcasting stations. It also makes 78 RPM recordings on 6", 8", 10" or 12" discs and may be used to cut $11\frac{1}{2}$ ", $13\frac{1}{2}$ " and $17\frac{1}{4}$ " master recordings from which commercial pressings are produced. In addition to recording, the model Y gives excellent reproduction of both electrical transcriptions and phonograph records and is widely used for auditioning recorded radio programs to prospective sponsors. As a public address system it will provide sound for audiences up to 500 persons.

Among the important features of the model Y recorder are:

1. The exclusive Presto rubber-rimmed-turntable driven directly by a steel pulley on the motor shaft, a simple, foolproof drive system that eliminates vibration and holds

the turntable speed absolutely constant. Maintenance is negligible. There are only two moving parts which need replacement about once a year.

2. A lever changes the turntable speed instantly without stopping the table or removing the record.

3. A lever adjusts the cutting mechanism to cut either from the outside of the disc toward the center or from the center out.

4. An off-center nipple in the turntable permits cutting an eccentric groove at the finish of the recordings to operate automatic record changers.

5. A cam lever lowers the cutting head gently on the record preventing accidental damage to sapphire needles.

6. A vibration damper attached to the cutting head suppresses vertical modulation in the record groove and eliminates variation in groove depth due to surface irregularities in the disc. The damper also eliminates flutter when the records are played with pickups having a resonant peak in the low frequency range.

7. The cutting arm may be unlocked from the feed mechanism to cut spiral starting and runout grooves.
8. A time scale on the cutting arm shows the starting point for each size record and elapsed recording time at both 78 and 33 $\frac{1}{3}$ RPM.
9. The cutting head feed mechanism is located beneath the turntable where it is protected from dust or accidental damage. The parts of this mechanism are hand

finished and fitted and its performance is equal in every way to the overhead lathe type mechanism commonly used.

10. The recording amplifier includes a two microphone mixer, high and low frequency equalizers and a change-over switch for continuous recording or re-recording. The amplifier and loudspeaker fit together to carry in a single case.

SPECIFICATIONS

Standard Equipment: The model Y-2 recorder consists of one 75-A recording turntable and one 87-A recording amplifier and loudspeaker. The model Y-4 recorder consists of one 75-A recording turntable and one 87-B recording amplifier. The 87-B amplifier is identical with the 87-A except that it includes input transformers for low impedance microphones. **Accessories necessary to operate the recorder include microphones, stands, discs and needles which must be ordered separately.**

Frequency Response: Amplifier, adjusted for flat response, 30 to 10,000 cycles. Turned to the right the treble control produces a maximum peak of 17 db at 6,500 cycles. Turned to the left it acts as a scratch filter giving a maximum attenuation of 20 db at 5,000 cycles. The bass control produces a maximum peak of 20 db at 80 cycles. Cutting head response 50 to 8,000 cycles. Response in above ranges is uniform within 2 db. Pickup, for checking purposes only, 70 to 7,500 cycles.

Noise Level: Total of all electrical and mechanical noise, originating in equipment, over 45 db below maximum useful sound level reproduced from recordings.

Tube Complement: First stage 2 type 6-S-J-7's, 2nd stage 6-N-7, 3rd and 4th stages 6-C-8-G's, power stage 2-A-3's P.P., rectifier 5-Z-3.

Impedances: Microphone inputs, 87-A amplifier, 100,000 ohms; 87-B amplifier 50, 200 or 500 ohms as specified by purchaser. Line input jack 500 ohms. Amplifier output 8 ohms. Pickup 500 ohms. Cutter 8 ohms.

Gain: Amplifier, adjusted for flat response, 120 db.

Power Output: Amplifier, 10 watts.

Controls: Amplifier controls include two microphone input

gain controls, playback gain control and continuously variable treble and bass equalizer controls, a switch for changing instantly between cutting heads and pickups, (when two turntables are used) and a selector switch which connects the amplifier for recording, playback or public address operation. Amplifier panel also contains a volume indicator meter, telephone line input jack, monitor jack, two turntable receptacles, two microphone receptacles and a power switch.

Loudspeaker: Ten inch, permanent magnet, dynamic with enclosed baffle.

Speed Accuracy: Within .4% at both 78 and 33 $\frac{1}{3}$ RPM. Regulation within a single revolution is accurate to .2%.

Cutting Pitch: 112 lines an inch, inside-out or outside-in permitting a full 15 minute recording on one side of a 16" disc.

Power Requirements: Standard equipment draws 180 watts on a 110 volt, 60 cycle line. Available for 220/240 volts or 50 cycles at \$10 additional cost.

Mounting: Re-inforced carrying cases covered in gray airplane luggage cloth equipped with chromium plated locks and leather handles. Metal parts of recorder gray enamel with chromium trim.

Operating Weights & Dimensions: Turntable case closed 20 $\frac{1}{2}$ "x11"x19" (52x28x50 cm.). Weight 44 lbs. (20 kg.). Amplifier case closed 23 $\frac{1}{2}$ "x12"x20" (60x31x51 cm.). Weight 47 lbs. (21 kg.).

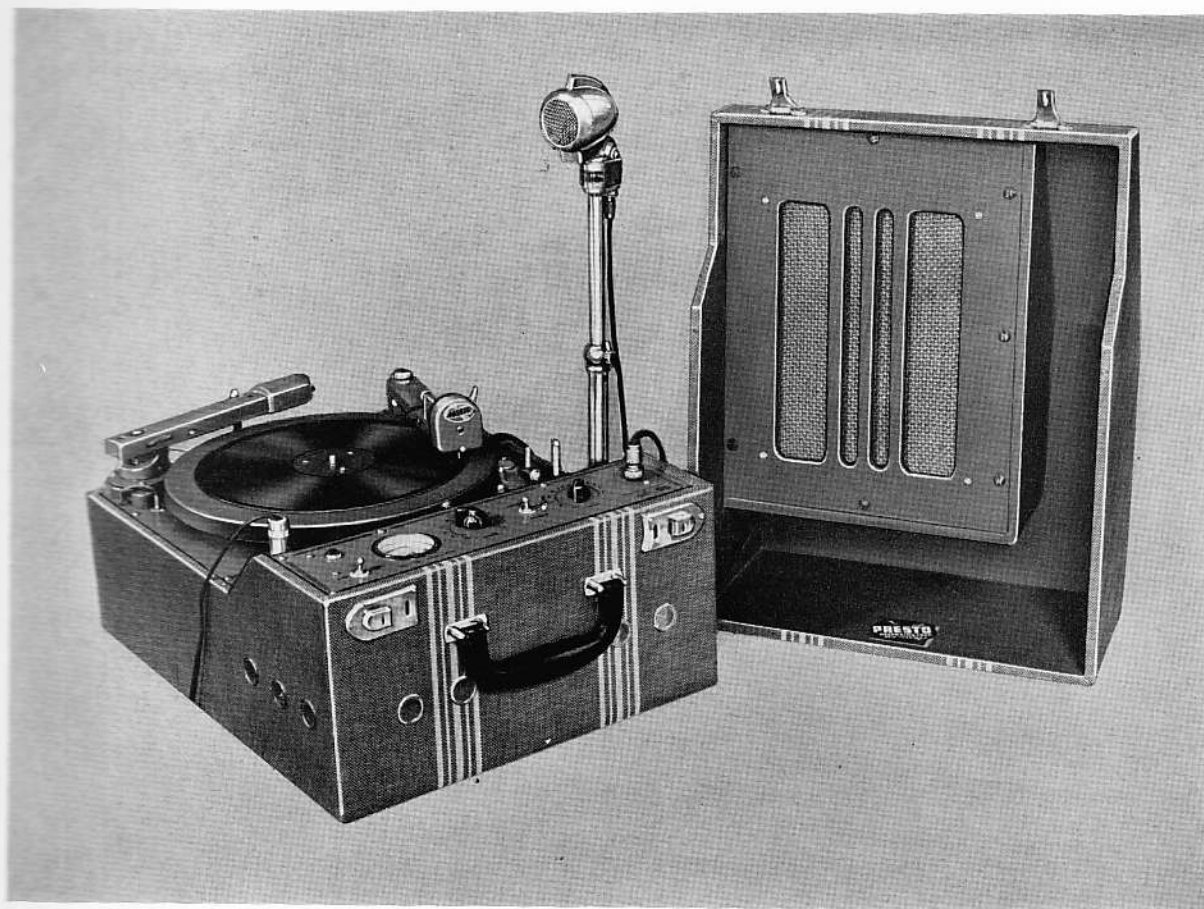
Shipping Weights & Dimensions: Turntable, one case measuring 33"x25"x14" (84x62x35 cm.), weighing 68 lbs. (31 kg.). Amplifier, one case measuring 35 $\frac{1}{2}$ "x26"x16" (90x66x41 cm.), weight 78 lbs. (35 kg.)

TYPE	DESCRIPTION	PRICE	CODE
Y-2	Recorder	\$595.00	YACHT
Y-4	Recorder	625.00	YACRE

NOTE: Order should specify Amplifier Input Impedance

PRESTO RECORDING CORPORATION
NEW YORK, U. S. A.

PRESTO MODEL "K" RECORDER



A COMPLETE portable recorder in a single unit. Exceptionally light and compact, the model K recorder is ideally suited to the needs of teachers of speech, music and dramatics, as well as professional actors and musicians, who require an instrument that can be carried easily and set up for operation in a few minutes' time.

The model K makes 6, 8, 10 and 12 inch records, plays back all types of phonograph records and operates as a voice amplifying system to serve audiences of about 500 persons.

Although it is the lowest priced complete Presto recorder it contains many valuable features of the more expensive instruments such as: 1) a magnetic cutting head and pickup, found only in high grade equipment, 2) a full sized, six tube amplifier chassis, 3) a safety cam lever for lowering the cut-

ting head, preventing accidental damage to sapphire needles, 4) a detachable, dynamic loudspeaker which may be operated at any desired distance from the recorder, 5) a cutter feed mechanism located beneath the turntable where it is not exposed to dust or accidental damage, and 6) the exclusive Presto rubber-tired turntable driven directly by a steel pulley on the motor shaft, a drive system that eliminates rubber idler wheels, rubber pulleys, belts and other parts subject to rapid wear.

These features, not found in the average recorder, greatly simplify the operation of the model K for non-technical users. They reduce operating costs by preventing the spoilage of discs and needles and help the user to obtain consistently high quality recordings.

SPECIFICATIONS

Standard Equipment: The model K-6 recorder consists of a 12", single speed (78 RPM) recording turntable equipped with a magnetic cutting head, cutter feed mechanism, magnetic pickup, four stage recording amplifier and loudspeaker, mounted in a single carrying case, and a type T-22-X crystal microphone with adjustable floor stand. The model K-7 is identical except that the turntable operates at both 78 and 33 $\frac{1}{3}$ RPM. Only accessories necessary to operate the recorder are **discs and needles which must be ordered separately.**

Frequency Response: Amplifier, 50 to 8,000 cycles; cutting head, 80 to 5,000 cycles; pickup, 80 to 5,000 cycles. Response in above ranges uniform within 2 db.

Noise Level: Total of all electrical and mechanical noise, originating in equipment, over 35 db below maximum useful sound level reproduced from recordings.

Speed accuracy: Within .4%. Regulation within a single revolution is accurate to .2%.

Gain: Amplifier, 110 db.

Power Output: Amplifier, 3 watts.

Controls: Amplifier control panel contains a volume indicator meter, tone control, dual volume

control and switch for recording, playback and public address and a microphone receptacle. Turntable chassis contains jacks for connecting the loudspeaker, monitoring headphones and a radio set or external pickup.

Tube Complement: First stage 6F5, second stage 6SF5, third stage 6N7, fourth stage 2-45's P.P., rectifier 1-80.

Cutting Pitch: Feed mechanism cuts 100 lines an inch, inside-out or outside-in as specified by purchaser.

Power Requirements: Standard equipment draws 120 watts on a 110 volt, 60 cycle line. Available for other voltages and frequencies at additional cost. See footnote.

Finish: Carrying case is covered with gray airplane cloth. Metal parts of recorder are finished in smooth gray enamel with lacquered brass trim.

Operating Dimensions and Weight: With case closed 19 $\frac{1}{2}$ "x15 $\frac{1}{2}$ "x14" (50x39x36 cm.), weight 46 lbs., (21 kg.)

Shipping Dimensions and Weight: The K-6 recorder is packed for shipment in a single case measuring 32"x21"x17" (81x53x43 cm.) weighing 59 lbs. (27 kg.). Accessories such as microphone, stand and discs, (if ordered), are shipped in separate cartons.

MODEL	DESCRIPTION	PRICE	CODE
K-6	Complete recorder	\$215.00	KARIN
K-7	Complete recorder	230.00	KATOW

NOTE: Add \$10.00 to the price of the model K recorder for adapting equipment to operate on 110 volts, 50 cycles; 220 volts, 60 cycles; 220 volts, 50 cycles; or 240 volts 50 cycles.

PRESTO RECORDING CORPORATION
NEW YORK, U. S. A.

PRESTO 8-A and 8-B RECORDING TURNTABLES



A PRECISION instrument embodying the finest materials and workmanship throughout, designed in collaboration with engineers of the largest recording studios to include all of the operating conveniences necessary to produce consistent, high quality work.

Added weight and size in the turntable, turntable bearing, mounting base and overhead mechanism serve to

keep this equipment in perfect operating condition over long periods without adjustment, a feature of primary importance in busy recording studios.

The 8-A turntable records the widest frequency range with the lowest background noise obtainable on lateral recordings. It is particularly recommended to studios making master recordings for the production of commercial pressings.

SPECIFICATIONS

Standard Equipment: The 8-A recorder consists of a turntable, motor drive system and overhead cutting mechanism mounted on a cast iron base equipped with shockproof mountings. The 128-A cutting mechanism includes the 1-C high fidelity cutting head, 15-B spiralling feed-screw, 20-A time scale, 170-B vertical damper and 160-A automatic equalizer. Also included are the 125-A microscope and 150-C pickup. Accessories necessary to operate the 8-A table include recording amplifier, microphone, discs and needles. The 8-B recorder consists of the 8-A chassis mounted in the 4-A cabinet.

Turntable: Cast iron, accurately machined and dynamically balanced, weight 20 lbs., equipped with a hardened steel shaft which revolves on a single ball bearing at the base of a bronze shaft well. Provision is made for tightening the bearing to compensate for wear.

Drive System: A heavy duty, self-starting synchronous motor applies power to the inside rim of the turntable through a steel pulley and two specially designed rubber idler wheels, one for 78 RPM and the other for 33 $\frac{1}{3}$ RPM. The speed shift lever operates the motor switch and engages the idler wheels. Provision is made for locking the speed shift lever in place. Adjustable stops regulate the pressure against the idler wheels.

Mounting Base: Cast iron, weight 60 lbs., provided with four shockproof mountings to attenuate vibration from external sources.

Cutting Mechanism: The 128-A cutter mechanism consists of a heavy machined guide bar which swings from a post mounted on the base. A flange which fits over the turntable shaft drives the feedscrew through a worm and

gear. The entire mechanism moves to a rest at the rear of the turntable when not in use. Provision is made for accurately adjusting the alignment of the cutting mechanism with the turntable and base. The spiralling attachment makes it possible to space grooves up to $\frac{1}{2}$ " apart at convenient crank speeds. The time scale is four-sided showing elapsed recording time at pitches of 96, 104, 112 or 120 lines an inch.

Cutting Head Carriage: The cutting head is mounted on an apron, hinged to permit a rough adjustment of the cutting angle. This adjustment is locked by means of a thumbscrew. Fine adjustment of the cutting angle is made by the large thumbscrew at the top of the carriage. The cutting head may be swung outward to change cutting needles and replaced without disturbing the cutting angle. Levers are provided for lowering the cutting needle on the disc and for engaging the carriage with the feed screw. The vertical damper is mounted on a rocker arm beneath the carriage. Feedscrews can be changed quickly by loosening one thumbscrew. The depth of cut is adjusted by a counterbalance spring.

Microscope: Magnification 40 power, area in focus, 7 grooves, equipped with rigid cast iron mounting bracket, lamp and reflector.

Frequency Response: Cutting head 50 to 8,000 cycles, pickup 70 to 7,500 cycles.

Noise Level: Mechanical noise originating in equipment over 50 db below maximum useful sound level reproduced from recordings.

Impedances: Cutting head 500 ohms, pickup 500 ohms.

Cutting Pitch: Standard feedscrew cuts 112 lines an inch inside-out. Feedscrews for 96, 104 or 120 lines an inch inside-out or outside-in substituted at purchaser's request.

Speed Accuracy: Within .4% at both 78 and $33\frac{1}{3}$ RPM. Regulation within a single revolution accurate to .2%.

Power Requirements: Turntable motor draws 100 watts from a 110 volt 60 cycle line. Available for 50 cycles or 220 volts at no additional charge.

Operating Clearances:

Overall clearance necessary for operating 8-A chassis: W-27" x D-27" x H-18". (69 x 69 x 46 cm.).

Mounting dimension of base: 20" x 20". (51 x 51 cm.).

Operating clearances for 8-B table: H-53" x W-27" x D-27". (135 x 69 x 69 cm.).

The 4-A cabinet mounts the turntable 44" (112 cm.) above floor level, suitable for operating from a standing position.

Finish: The 4-A cabinet is finished in smooth gray enamel. Metal parts of the 8-A equipment are finished in gray crackle enamel with chromium trim.

Shipping Dimensions & Weight: The complete model 8-A is packed for shipment in two cases. No. 1 contains the cutting mechanism. Measures (32"x20"x16 $\frac{1}{2}$ ") (81x51x42 cm.), weighs 20 lbs. (9 kg.).

No. 2 contains the 8-A panel and turntable complete. Measures 31"x26 $\frac{1}{2}$ "x16" (79x67x41 cm.), weighs 130 lbs. (59 kg.).

The 4-A cabinet is packed in one case. Measures 47"x29"x29" (119x74x74 cm.), weighs 70 lbs. (32 kg.).



TYPE	DESCRIPTION	PRICE	CODE
8-A	Recording turntable chassis	\$ 945.00	ALLEX
8-B	Recording turntable & cabinet	1,030.00	ALBAB

PRESTO RECORDING CORPORATION
NEW YORK, U. S. A.

PRESTO 6-D, 6-E and 6-F Recording Turntables



OVER 1500 Presto 6-D recording turntables are now in operation in broadcasting stations and instantaneous recording studios. Although it is lighter in construction and lacks some of the refinements of the more expensive turntables, it contains all of the basic equipment necessary to make recordings of excellent quality. The soundness of its design is proven by years of satisfactory service.

The turntable and mounting base of the 6-D recorder are made of cast aluminum making it light enough for field service. It is equally satisfactory for permanent mounting in fixed installations.

A pocket is provided in the I-A mounting case for carrying the cutting head and mounting, needles and spare parts. Provision is made for locking all parts in place during transportation.

SPECIFICATIONS

Standard Equipment: The 6-D recording turntable consists of a turntable, motor drive system and overhead cutting mechanism mounted on a cast aluminum base. The 116-E cutting mechanism includes the I-C high fidelity cutting head,

32-B feedscrew, and 170-A vertical damper. These are mounted in the I-A carrying case. The 6-E table is similar to the 6-D table except that it includes the 160-A automatic equalizer, 15-B spiralling feedscrew and 20-B time scale. The 6-F

table is similar to the 6-E but includes only the slider unit for the automatic equalizer and is intended to be used as a second table with the 6-E.

Turntable: Cast aluminum, accurately machined and dynamically balanced, weight 10 lbs. equipped with a hardened steel shaft which revolves on a single ball bearing at the base of a bronze shaft well.

Drive System: A self-starting, synchronous motor applies power at the inside rim of the turntable through a steel pulley and two rubber idler wheels, one for 78 RPM, the other for 33 $\frac{1}{3}$ RPM. The speed shift lever operates the motor switch and engages the idler wheels. Adjustable stops regulate the pressure against the idler wheels.

Mounting Base: Cast aluminum heavily ribbed to combine rigidity with light weight.

Cutting Mechanism: The 116-E cutter mechanism swings from a post mounted on the turntable base. A flange which fits over the turntable shaft drives the feedscrew through a worm and gear. The entire mechanism moves to a rest at one side of the turntable when not in use. Provision is made for accurately adjusting the alignment of the cutting mechanism with the turntable and base. The spiralling feedscrew, as furnished with the 6-E and F tables, makes it possible to space grooves up to $\frac{1}{2}$ " apart at convenient crank speeds. The time scale shows elapsed recording time at both 78 and 33 $\frac{1}{3}$ RPM.

Cutting Head Carriage: The cutting head is mounted on an apron, hinged for adjustment of

the cutting angle. A lever is provided for lowering the cutting needle on the disc. A spring lever engages the feedscrew. The vertical damper is mounted beside the cutter carriage. The depth of cut is adjusted by a counterbalance spring. Feedscrews can be changed quickly by loosening one thumbscrew.

Frequency Response: Cutting head 50 to 8,000 cycles, pickup 70 to 7,500 cycles.

Noise Level: Mechanical noise originating in equipment over 45 db below maximum useful sound level reproduced from recordings.

Impedances: Cutting head 500 ohms, pickup 500 ohms.

Cutting Pitch: Standard feedscrew cuts 112 lines an inch inside-out. Feedscrews for 96, 104 or 120 lines an inch inside-out or outside-in substituted at purchaser's request.

Speed Accuracy: Within .4% at both 78 and 33 $\frac{1}{3}$ RPM. Regulation within a single revolution accurate to .2%.

Power Requirements: Turntable motor draws 60 watts from a 110 volt 60 cycle line. Available for 50 cycles or 220 volts at no additional charge.

Operating Dimensions & Weight: With case closed the 6-D turntable measures 20 $\frac{1}{4}$ "x20"x15" (52x51x38 cm.), weighs 67 lbs. (30 kg.).

Finish: Carrying case, black leatherette, metal parts black enamel with chromium trim.

Shipping Dimensions & Weight: The table is packed for shipment in a case measuring 36"x28"x19" (91x71x48 cm.), weighing 95 lbs. (43 kg.).

TYPE	DESCRIPTION	PRICE	CODE
6-D	Turntable	\$400.00	DELVE
6-E	Turntable	640.00	DEMPS
6-F	Turntable	555.00	DEFTA

NOTE: Deduct \$25.00 from above prices if I-A carrying case is not required.

PRESTO RECORDING CORPORATION
NEW YORK, U. S. A.

PRESTO 6-N Turntable



THE Presto 6-N recording turntable is offered as a replacement unit for the Presto 6-D recording turntable over 1500 of which are now in operation in broadcasting stations and instantaneous recording studios. It includes all the basic equipment needed to make recordings of commercial quality.

The 6-N recorder is an improvement on the 6-D in the following respects:

1. The overhead cutting mechanism has been redesigned so that it is removable as a unit from the turntable and fits into a pocket inside the carrying case for safer transportation.
2. The cutting head mounting has been redesigned so that the weight rests entirely on two slider bars. This facilitates changing feedscrews and gives more accurate groove spacing.
3. Mechanical vibration is greatly reduced by the use of a heavier turntable base in which the turntable bearing and overhead cutting mechanism mounting are cast as an integral part preventing changes in alignment with age or use.
4. The speed shift lever has a locking arm which holds it firmly in place against the stop pin.
5. The design of the overhead mechanism permits quick alignment of the mechanism with the turntable.

SPECIFICATIONS

Standard Equipment: The 6-N recording turntable consists of a turntable, motor drive system and overhead cutting mechanism mounted on a cast aluminum base. The 116-N overhead cutting mechanism includes the 1-C high fidelity cutting head, 15-B spiral-

ling feed screw, the 170-A vertical damper and the 20-A time scale. Accessory equipment which may be added to the 6-N recorder if desired includes the 160-A automatic equalizer, the 125-A microscope and the 1-B carrying case or 4-A wood mounting cabinet.



6-N chassis in a 4-A floor mounting cabinet

Turntable: Cast aluminum accurately machined and dynamically balanced. Weight 10 lbs. Equipped with a hardened steel shaft which revolves on a single ball bearing at the base of a bronze bushed shaft well.

Drive System: A self-starting, synchronous motor applies power at the inside rim of the turntable through a steel pulley and two rubber idler wheels, one for 78 RPM, the other for 33 1/3 RPM. The speed shift lever operates the motor switch and engages the idler wheels. Adjustable stops regulate the pressure against the idler wheels.

Mounting Base: Cast aluminum heavily ribbed for rigidity. 10 lbs. heavier than base previously furnished with 6-D recorder.

Cutting Mechanism: The 116-N cutter mechanism swings from a cast, bronze bushed bearing in the turntable base. A flange which fits over the turntable shaft drives the feed screw through a worm and gear. The entire mechanism moves to a rest at one side of the turntable when not in use. Provision is made for quick, accurate alignment of the cutting mechanism with the turntable and base. The spiralling feed screw makes it possible to space grooves up to 1/2" apart at convenient crank speeds. A time scale shows the elapsed recording time at both 78 and 33 1/3 RPM at cutting pitches of 96-104-112 and 120 lines an inch.

Cutting Head Carriage: The cutting head is mounted on an apron, hinged for quick adjustment of the cutting angle. A cam lever is provided for lowering the cutting needle on the disc. A knob on the cutter carriage lowers the feed finger under spring tension on the feed screw. The vertical damper for eliminating rumble or flutter due to vertical modulation is mounted beside the cutter carriage. The depth of cut is adjusted by a counterbalance spring. Feed screws can be changed quickly by loosening one thumb screw. The



Overhead mechanism is carried inside case.

driving gear on the feed screw is permanently mounted and engaged with the worm on the drive shaft so that it cannot be damaged when feed screws are changed.

Frequency Response: Cutting head 50 to 8,000 cycles, pickup 70 to 7,500 cycles.

Noise Level: Mechanical noise originating in equipment 50 DB below maximum useful sound level reproduced from recordings.

Impedances: Cutting head 8 ohms or 500 ohms as ordered, pickup 500 ohms.

Cutting Pitch: Standard feed screw cuts 112 lines an inch inside-out. Feed screws for 96, 104 or 120 lines an inch inside-out or outside-in substituted at purchaser's request.

Speed Accuracy: Within .4% at both 78 and 33 1/3 RPM. Regulation within a single revolution accurate to .2%.

Power Requirements: Turntable motor draws 60 watts from a 110 volt 60 cycle line. Available for 50 cycles or 220 volts at no additional charge.

Operating Dimensions and Weight: With case closed the 6-N turntable measures 20 1/4" x 20" x 15" (52 x 51 x 38 cm.) weighs 77 lbs. (35 kg.)

Finish: Carrying case, gray leatherette, cabinet two tone gray enamel, metal parts gray enamel with chromium trim.

Shipping Dimensions and Weight: The 6-N table is packed for shipment in a case measuring 36" x 28" x 19" (91 x 71 x 48 cm) weighing 105 lbs. (47 kg.)

TYPE	DESCRIPTION	PRICE	CODE
6-N	Turntable chassis only	\$415.00	DONOR
6-N	Turntable in I-B carrying case	440.00	DONEB
6-N	Turntable in 4-A cabinet	500.00	DOANE

PRESTO RECORDING CORPORATION
NEW YORK, U. S. A.

PRESTO Type 75-A and 75-B Recording Turntables

THE lightest 16" dual speed recording turntable made. Recommended for all services requiring a high grade portable recorder. Widely used by broadcasting stations that record local news events for delayed broadcasts; a rugged, compact recording installation for mobile pick-up units.

Used by industrial concerns, hospitals, scientific laboratories and in the visual education departments of schools and colleges in conjunction with 16 mm sound-film projectors for recording and reproducing narrative comment, sound effects and background music with locally produced silent films.

An ideal turntable unit for installation in custom built radio sets designed for owners who wish to reproduce electrical transcriptions and to record complete operatic and symphonic radio programs or educational broadcasts.



TYPE 75-A RECORDING TURNTABLE

SPECIFICATIONS

Standard Equipment: The equipment consists of a 16" cast aluminum turntable, carefully machined to dynamic balance, weighing 10 lbs. It revolves on a single ball bearing at the base of a bronze shaft well. A heavy, live rubber tire on the rim of the turntable engages with a steel, step-pulley on the motor shaft to drive the table. The motor is suspended by rubber grommets in a carriage which is moved up or down by a lever to change the turntable speed. The motor drive and turntable are mounted in a cast aluminum base designed to combine extreme rigidity with light weight. The cutting mechanism consists of a fan gear, worm and pinion driven by a worm on the turntable shaft. The 1-C high fidelity cutting head, 171-A vertical damper, 21-A time scale and 150-C lateral pickup are included as standard equipment. The 75-A table is mounted in the 2A carrying case. The 75-B turntable is mounted in the 3-A cabinet. **Accessories necessary to operate the turntable include recording amplifier, microphone, discs and needles which must be ordered separately.**

Frequency Response: Cutting head 50 to 8,000 cycles, pickup 70 to 7,500 cycles.

Noise Level: Total of mechanical noise originating in equipment over 45 db below maximum useful sound level reproduced from the recordings.

Speed Accuracy: Within .4% at both 78 and 33 $\frac{1}{3}$ RPM. Regulation within a single revolution accurate to .2%.

Impedances: Cutting head 8 ohms, pickup 5,000 ohms. Cutting head impedance changed to 15 or 500 ohms, pickup impedance to 200 or 500 ohms at purchaser's request

Amplifier Requirements: Maximum power level required for cutting head plus 20 db, average gain required to raise pickup output to 0 db level, 30 db. (Ref. .006W).

Cutting Pitch: 112 lines an inch, outside-in or inside-out by shifting a lever

Power Requirements: Motor draws 60 watts on a 110 volt, 60 cycle line. Available for 110 volts—50 cycles, 220/240 volts—50 cycles or 220 volts—60 cycles, at no additional charge.

Finish: Turntable, gray enamel with chromium trim, 2-A case gray airplane luggage cloth, 3-A cabinet two tone gray enamel with silver trim.



TYPE 75-B RECORDING TURNTABLE

Operating Dimensions & Weight: 75-A table, case closed 11"x19"x20 1/2" (28x48x52 cm.) Weight 45 lbs. (20 kg.).
75-B table, 37"x21"x22 1/2" (94x53x57 cm.).

Shipping Dimensions & Weight: 75-A table, 31"x24 1/2"x14" (79x62x26 cm.). Weight 74 lbs. (33 kg.).
75-B table, 35"x29"x42" (89x74x107 cm.) Weight 85 lbs. (38 kg.).

TYPE	DESCRIPTION	PRICE	CODE
75-A	Turntable in 2-A carrying case	\$350.00	YOLLE
75-B	Turntable in 3-A cabinet	385.00	YERBE
75-C	Unmounted turntable chassis	325.00	YACED

NOTE: In ordering specify impedance required in cutting head and pickup.

PRESTO Type 9-A and 9-B Recording Turntables

A PORTABLE 12" table for recording and reproducing 6", 8", 10" and 12" records. Its exceptional steadiness, speed accuracy and lack of vibration make it an excellent table for re-recording purposes. Designed for recording the two speed model has ample power for playing 16" electrical transcriptions if equipped with a 16" pickup. It is recommended as a second turntable to be added to the model K recorder for continuous recording. The chassis can be installed in many standard radio sets in place of the ordinary turntable to provide both radio recording and playback facilities.

SPECIFICATIONS

Standard Equipment: Consists of a diecast aluminum turntable with heavy steel shaft which revolves on a single ball bearing at the base of the shaft well. A heavy live rubber tire on the rim of the turntable engages with a pulley on the motor shaft to drive the table. The motor is suspended on rubber grommets. A single lever operates the motor switch and engages the motor with the turntable. The cutting mechanism consists of a worm, gear and pinion driven by a worm on the turntable shaft. The table is equipped with a high grade magnetic cutting head and pickup. The 9-A table operates at 78 RPM only, the 9-B table at both 78 and 33 1/3 RPM. Both are mounted in the 2-C carrying case. Accessories necessary to use the table include recording amplifier, microphone, discs and needles which must be ordered separately.

Frequency Response: Cutting head and pickup 80 to 5,000 cycles.

Noise Level: Minus 30 db.

Speed Accuracy: Within .4% at both 78 and 33 1/3 RPM. Regulation within .2%. Speed is changed by removing pulley from motor shaft.

Impedances: Cutting head 5 ohms, pickup 2,000 ohms.

Amplifier Requirements: Power level required for cutting head plus 12 db Gain required produce 0 db level from pickup 30 db. (Ref. .006W).

Cutting Pitch: 100 lines an inch inside-out or outside-in as specified by purchaser.

Power Requirements: Motor draws 30 watts on a 110 volt 60 cycle line. Available for 110 volts, 50 cycles at no additional charge.



Finish: Metal parts gray enamel with nickel trim. Case gray airplane luggage cloth.

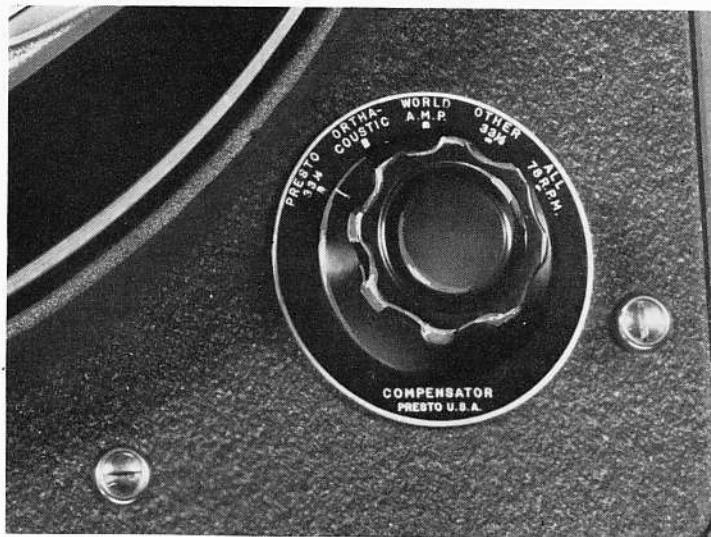
Dimensions and Weight: Operating dimensions, case closed. 15 1/4" x 14" x 9 1/4" (38x36x23 cm.), weight 22 1/2 lbs. (10 kg.).

Shipping Dimensions: 32" x 20 1/4" x 12" (81x51x30 cm.), weight 37 1/2 lbs. (17 kg.).

TYPE	DESCRIPTION	PRICE	CODE
9-A	Turntable (78 RPM) mounted in 2-C case	\$120.00	RIBER
9-B	Turntable (78 and 33 1/3 RPM) mounted in 2-C case	135.00	RAVOW

PRESTO RECORDING CORPORATION
NEW YORK, U. S. A.

PRESTO TYPE 62-A TRANSCRIPTION TURNTABLE



THE 62-A transcription turntable is designed for use by broadcasting stations, theatres, advertising agencies, schools—wherever it is desired to obtain the finest possible reproduction from high quality electrical transcriptions and phonograph records.

The complete equipment includes a 16" dual speed turntable, lateral magnetic reproducer, compensating network and scratch filter mounted in a wood cabinet.

Important advantages of the 62-A table include:

1. A new type of compensating network which accurately adjusts the frequency response of the reproducer to match the five distinct recording characteristics used in making NBC (Orthacoustic), E.R.P.I. (World, A.M.P. Lateral), RCA (Standard, Langworth), Presto instantaneous recordings and commercial phonograph records. This

feature enables the operator to adjust his equipment instantly to reproduce the full range of any make of lateral recording.

2. The exclusive Presto rubber-tired turntable driven directly by the motor pulley, a drive system that eliminates gears, idler wheels, belts, flexible couplings and other parts subject to rapid wear. Mechanical vibration is negligible making the table suitable for playing both vertical and lateral transcriptions. Designed to meet the exacting requirements for a recording turntable, the 62-A table has more than sufficient power and speed stability for playing transcriptions.

3. The reproducing head is designed so that the needle point is always in full view, making it simple to place the needle in the proper groove. The diamond reproducing needle is quickly removable and may be replaced with a steel needle when desired. The reproducer arm and mounting are designed to eliminate "flutter" and other undesirable low frequency modulation.

SPECIFICATIONS

Standard Equipment: The complete 62-A transcription turntable includes the following parts and accessories; type 10-A turntable chassis mounted in 3-A cabinet, equipped with 151-A lateral magnetic reproducer and compensating network, and 501-A cut-off filter. Also a 601-A diamond reproducing needle, 502-A screwdriver, and 503-A spirit level.

Frequency Response: Uniform within 2 db from 50 to 9,000 cycles when reproducing standard makes of transcriptions.

Noise Level: Total of all sound, originating in equipment, over 50 db below maximum useful sound level.

Reproducing Needle: Diamond, hand lapped to fit standard groove dimensions. Needle pressure $1\frac{3}{4}$ oz.

Output Level: Amplification of 50 db is required to produce a power output of .006 W when reproducing from standard frequency record.

Output Impedance: Standard equipment is designed to work into impedance of 200 or 250 ohms. Type 505-A matching transformer required for 50 or 500 ohm input.

Speed Regulation: Speed accuracy of .4% is maintained at both 78 and $33\frac{1}{3}$ RPM. Speed regulation within a single revolution is accurate to .2%.

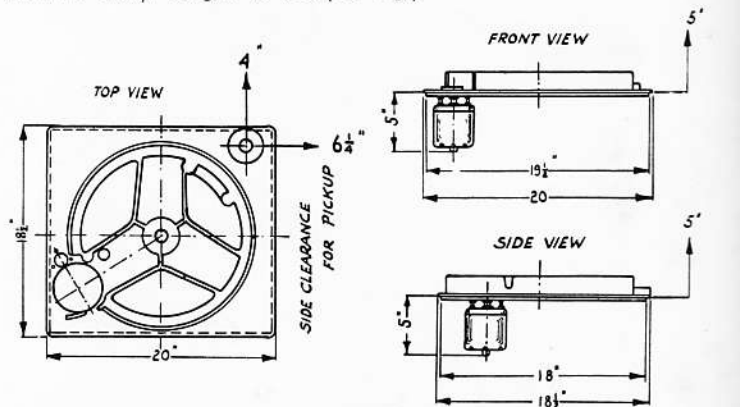
Controls: Combination speed change lever and motor switch. Five point selector switch for compensating network. Four point selector switch for scratch filter giving cut-off at 4000, 5500 or 7500 cycles.

Power Requirements: Synchronous motor draws 50 watts from 110 volt, 60 cycle line. Motors for other voltages and frequencies available at extra cost.

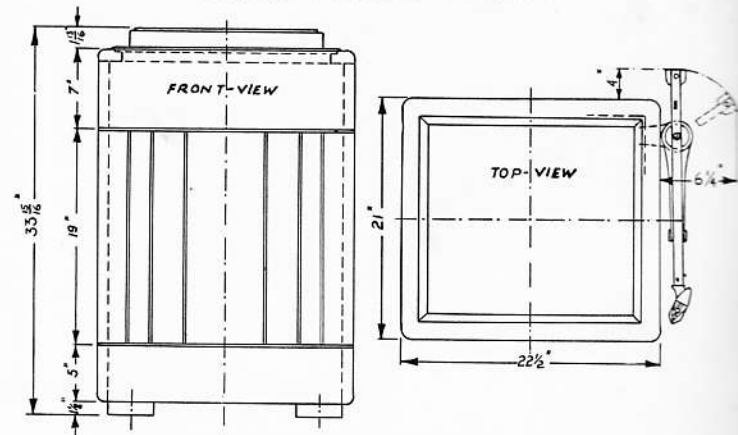
Mounting: Heavy wood cabinet mounting turntable 33" above floor level, equipped with four adjustable feet for leveling table, finished in two tones of gray with silver trim.

Operating Dimensions and Weight: Overall clearances required for installation shown in Figures 1-A and 1-B.

Shipping Dimensions and Weight: Packed for shipment in a case 27" x 25" x 40" (68 x 63 x 101 c.m.), weight 95 lbs., (43 kg.), and one carton measuring 25" x 11" x 11" (63 x 28 x 28 c.m.), weight 10 lbs. (4.5 Kg.).



Mounting Dimensions of 10-A Chassis



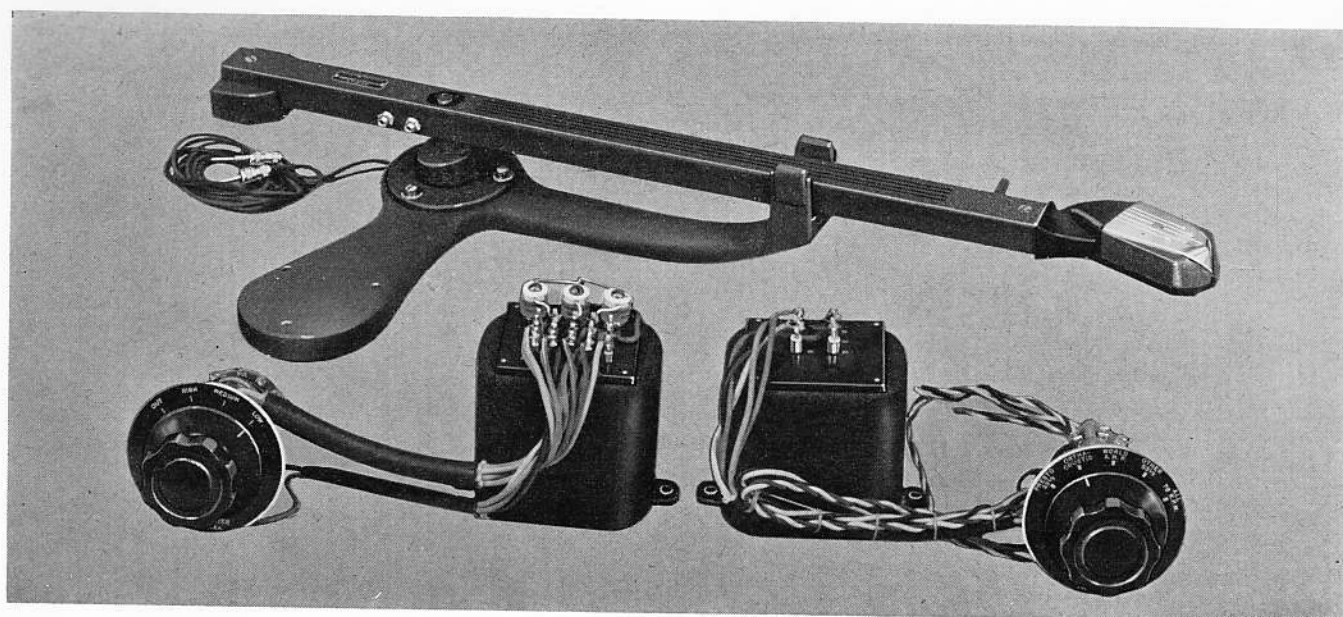
Overall Clearances for Operating 62-A

TYPE	DESCRIPTION	PRICE	CODE
62-A	Complete turntable	\$350.00	DANCE
10-A	Chassis, only	140.00	TERSE
151-A	Reproducer and compensator, less needle	120.00	TILES
501-A	Scratch Filter	25.00	TALKS
3-A	Cabinet	60.00	TOMES
601-A	Diamond Needle	20.00	NIGHT
502-A	Screwdriver	1.00	TRITE
503-A	Spirit Level	1.00	TUFTS
505-A	Matching Transformer	15.00	TABOR

NOTE:—Add \$10.00 to the price of the 62-A turntable or 10-A chassis for adapting equipment to operate on 220 volts, 60 cycles; 220/240 volts, 50 cycles.

PRESTO RECORDING CORPORATION
NEW YORK, U. S. A.

PRESTO Type 151-A Pickup & Compensator, 501-A Scratch Filter



THIS equipment forms a part of the Presto 62-A transcription turntable. The 151-A pickup and compensator reproduce uniformly the entire frequency range recorded on the finest lateral transcriptions. The 501-A filter restricts the response when necessary for playing phonograph records and imperfect transcriptions.

Valuable features include: 1) a reproducing head designed so that the needle point is always in full view, 2) removable diamond needle which can be replaced by a steel needle if desired, 3) a new type of compensating network which accurately adjusts the frequency response to give perfect reproduction of each make of lateral recording.

SPECIFICATIONS

Mechanical: The pickup head is mounted on a specially formed arm designed to eliminate undesirable resonance and "flutter". The arm pivots on a ball bearing mounting and is equipped with a fixed counterweight giving a needle pressure of $1\frac{3}{4}$ oz. A heavy bracket is included for attaching the pickup to the turntable chassis. The pickup head is of the lateral magnetic type. The mechanical impedance of the armature is made extremely low to reduce wear on recordings.

Frequency Response: Uniform within 2 db from 50 to 9,000 cycles when reproducing from standard makes of transcriptions.

Output Level: Amplification of 50 db is required to produce a power output of .006 W when reproducing from a standard frequency record.

Impedance: Standard equipment is designed to work into an impedance of 200 or 250 ohms. Type 505-A matching transformer required for 50 or 500 ohm input.

Reproducing Needle: Diamond, hand lapped to fit standard groove dimensions, easily removable and may be replaced with a steel needle if desired.

Controls: Five point selector switch for compensating network. Four point selector switch for scratch filter giving cut-off at 4,000; 5,500 or 7,500 cycles.

Finish: Reproducer arm, gray crackle enamel, knobs and scales black enamel.

Dimensions: Pickup arm 21" overall. Scale diameter 3".

Shipping Weight: 151-A pickup and compensator 25 lbs. (11 kg.), 501-A filter 10 lbs. (4.5 kg.), 505-A transformer 10 lbs. (4.5 kg.).

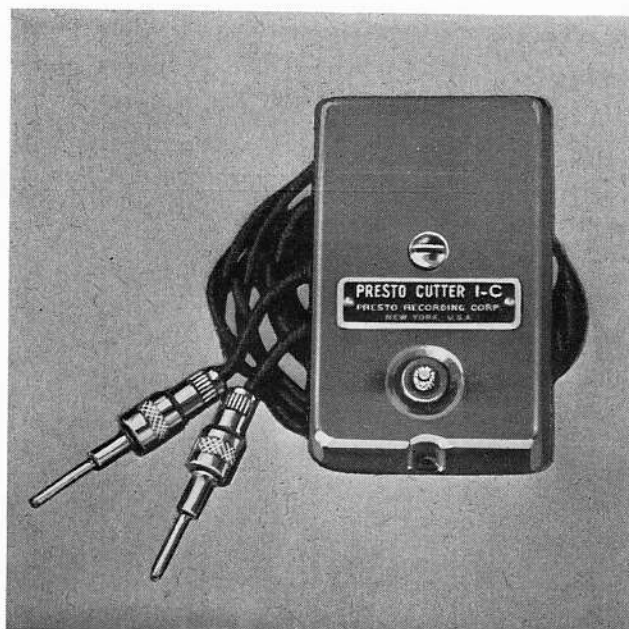
TYPE	DESCRIPTION	PRICE	CODE
151-A	Pickup and Compensator—less needle	\$120.00	TILES
501-A	Scratch Filter	25.00	TALKS
601-A	Diamond needle	20.00	NIGHT
505-A	Matching transformer	15.00	TABOR

PRESTO RECORDING CORPORATION
NEW YORK, U. S. A.

PRESTO Type 1-C Cutting Head

IN 1937 PRESTO offered the recording industry the first cutting head designed specifically for recording on cellulose coated discs. This head, designated as the Presto type 1-B, made it possible for the first time to produce instantaneous recordings that conformed with current standards for high fidelity broadcast transmission. All of the improvements made during three years of research and practical experience with the 1-B head are now combined in the new 1-C cutting head. The sensitivity has been increased so that the head operates at maximum efficiency at an input level of plus 20 db. The sound level recorded by the 1-C head has been increased to the theoretical limit, making an improvement of 6 to 9 db in playback level and dynamic range. This gives from 4 to 8 times the power output previously obtained from the records. The normal response range has been extended from 6,500 cycles to 8,000 cycles and with simple equalizer circuits, it can be extended beyond 10,000 cycles. The harmonic distortion generated in the 1-C head is so low that it forms a negligible percentage of the total distortion generated by the best reproducing pickups and needles. The flexibility of the response curve of the 1-C head makes it particularly well adapted for re-recording sound from discs to film and other applications where an unusual recorded frequency characteristic is required.

The 1-C cutting head is constructed of the most suitable materials throughout and the moving parts are machined with watchmakers' precision. Each head is adjusted by hand and individually calibrated. The frequency response,



distortion and power sensitivity are determined by actually cutting a test record.

With occasional remagnetizing and cleaning, for which there is no charge, the cutter may be expected to give years of satisfactory service. A nominal charge is made for converting existing 1-B heads to include the improvements in the 1-C.

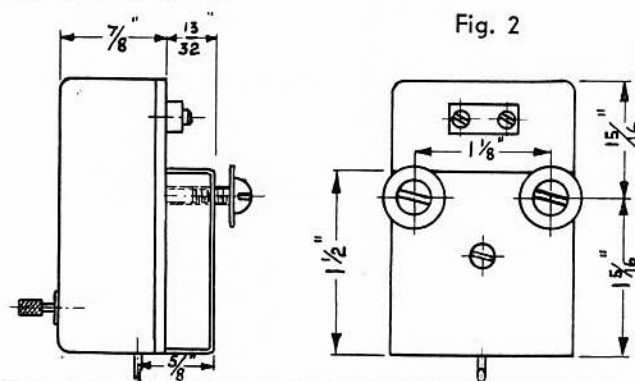
SPECIFICATIONS

Construction: The armature moves against a knife edge bearing and is damped and centered between the pole pieces by calibrated steel springs which are locked in adjustment at the factory. The magnet is made of a special alloy selected for high permeability and long life. The field coil which energizes the armature is wound on a machined spool and impregnated to protect it from dust or moisture. A rubber sheath around the needle hole retards the accumulation of magnetic dust. Two mounting screws are provided at the rear of the case.

Frequency Response: The response compensates accurately for the characteristics of Presto cellulose coated discs when cut at 78 RPM giving a uniform response from 50 to 8,000 cycles. For performance at 33 1/3 RPM see page 1023.

Distortion: Less than 4% at 100 cycles, 1.5% above 1,000 cycles. Measurements taken from a fully modulated groove cut at a pitch of 96 lines an inch.

Finish: Cover, gray enamel.



Power Requirements: Completely modulates the groove at an input level of plus 16 db when cutting 112 lines an inch, plus 20 db when cutting 96 lines an inch. (Ref. .006 W).

Impedances: Available for 8, 15 or 500 ohms.

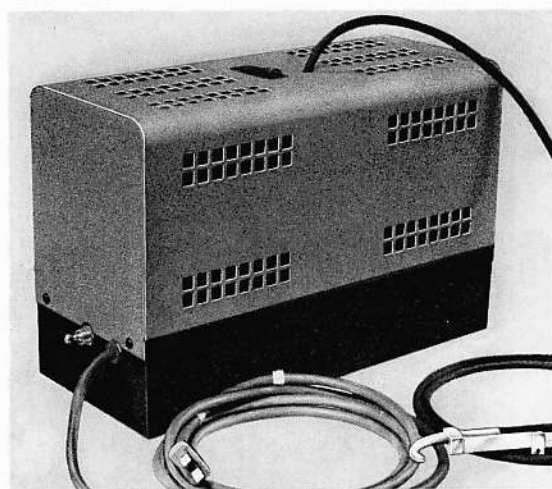
Mounting Dimensions: Shown in fig. 2.

Shipping Weight: 1 lb.

TYPE	DESCRIPTION	PRICE	CODE
I-C	Lateral cutting head	\$125.00	IBEXE
801-A	Conversion 1-B to 1-C performance	30.00	CONTI

NOTE: Order should specify impedance required.

PRESTO Type 400-A Blower System



THE Presto 400-A Blower System eliminates one of the commonest hazards of instantaneous recording. It directs a tiny blast of air across the surface of the disc just behind the cutting head which throws the waste thread to the center of the disc and makes it impossible for the thread to become tangled under the cutting needle. At the same time the intense airstream removes every trace of lint or grit from the surface of the disc just before it passes under the cutting needle. This thorough cleaning prevents noisy spots in the recordings and adds considerably to the life of sapphire cutting needles.

The Presto blower system is decidedly better than the older vacuum systems because the airstream is kept away from the cutting needle where it cannot produce "air noise" in high fidelity recordings.

The blower operates very quietly and can be used in the same room with the microphone if necessary. It is positive and reliable in operation, does not scratch the surface of the disc nor impose a load on the table which might cause speed variations. It may be expected to pay for itself in a short time by preventing spoilage of recordings

and cutting needles. It can be attached to any Presto recorder without alteration.

Standard Equipment: The type 400-A blower system consists of an electric motor direct coupled to a positive pressure air pump, mounted on live rubber grommets and enclosed in a perforated metal cabinet. It includes a six foot rubber hose with metal nozzle and brackets for mounting the hose and nozzle on any Presto recording turntable. The mounting of the nozzle is made adjustable to direct the airstream at the most efficient angle.

Power Requirements: Motor, 110 volt, 60 cycle, single phase, induction type, 1/20th HP, 1725 RPM. Motors for 110 volts, 50 cycles available at extra charge. See price list.

Finish: Cabinet, gray crackle enamel, nozzle and brackets, brushed nickel.

Operating Dimensions and Weight: Pump enclosure 10" x 5 1/2" x 6 3/4" (26x14x17 cm.) weight 15 lbs. (7 kg.)

Shipping Dimensions and Weight: One carton measuring 11" x 7" x 8" (28 x 18 x 20 cm.) weighing 18 lbs. (8 kg.)

TYPE	DESCRIPTION	PRICE	CODE
400-A	Blower system for 75-A, 75-B or 75-C tables (model Y recorder.)	\$75.00	AIREY
400-B	Blower system for 6-C, or 6-D or 26-B tables (models B & C recorders).	75.00	AURED
400-C	Blower system for 8-A, 8-B or 28-A tables, (Model A recorder.)	75.00	ALLER
810-A	Transfer valve, hoses and extra nozzle and bracket for using blower with alternate tables.	25.00	AFTER

NOTE: Blower for operation on 110 volts 25 cycles, \$25.00 extra, 110 volts 50 cycles \$10.00 extra.

PRESTO RECORDING CORP.

242 WEST 55th STREET

NEW YORK, N. Y.

PRESTO AMPLIFIER EQUIPMENT

TYPE 85-A, B & E RECORDING AMPLIFIERS

THESE amplifiers form a part of the Presto Models A, B and C recorders. The fundamental amplifier circuit is the same in each type. It consists of three stages of push-pull amplification and a built-in power supply which has sufficient capacity to provide power to the 40-A and B preamplifiers and plate power for the 50-A and B radio tuners.

Careful assembly and the use of the highest quality parts throughout make the noise level and harmonic distortion exceptionally low. The power stage and output transformer are designed specifically to match the load characteristics of the Presto I-C cutting head. The performance of the I-C cutting head is guaranteed only if used in combination with one of these amplifiers.

The 85-B amplifier is designed to mount in a standard relay rack and connections are brought out to a terminal strip at the rear of the chassis. The 85-A portable model includes an 8" monitor loud speaker and receptacles on the panel for connecting two turntables, a preamplifier and radio tuner. The 85-E is identical with the 85-A except that it includes a manually operated high frequency equalizer for 33 1/3 RPM recording.

Frequency Response: Flat from 30 to 15,000 cycles.

Gain: 90 db.

Power Output: 10 watts.

Impedances: Input and output, 500 ohms.

Distortion: Less than 1% at maximum level required for I-C cutting head.

Controls: Master volume control, selector switch for public address, microphone recording, play-back, radio recording and radio playing, switch for changing to either of two tables for continuous recording. Type 85-E has in addition a switch for selecting the peak frequency of the equalizer and a potentiometer for controlling the degree of equalization.

Tube Complement: 1st stage two 1221's; 2nd stage two 6-C-5-G's; 3rd stage two 2A3's push-pull; rectifier one 5Z3.

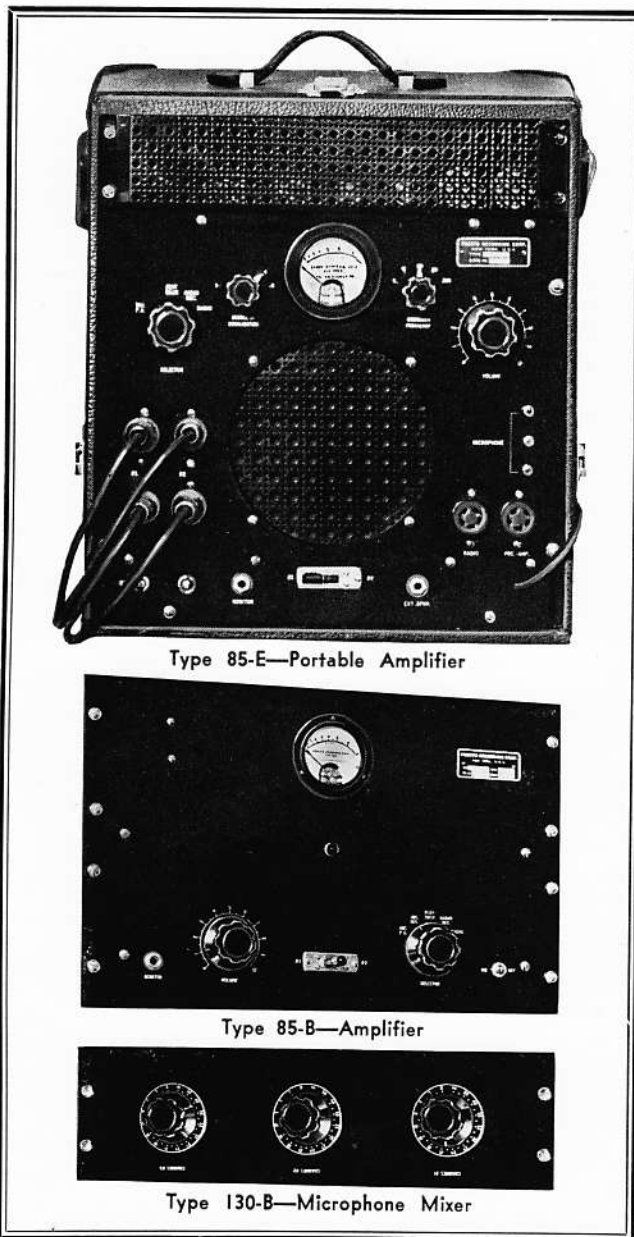
Power Requirements: Draws 120 watts on 110 volt 50/60 cycle line. Available for 25 cycle supply at \$25.00 additional.

Finish: Case, black leatherette; panel, black enamel.

Operating Dimensions & Weight: 85-A and E amplifiers, case closed, 17"x13"x18 1/2" (43x33x47 cm.) Weight 53 lbs. (24 kg.) 85-B panel measures 10 1/2"x19" (27x48 cm.).

Shipping Dimensions & Weight: 30"x22"x24" (76x56x61 cm.). Weight 87 lbs. (39 kg.).

TYPE	DESCRIPTION	PRICE	CODE
85-A	Portable recording amplifier	\$250.00	RECAM
85-E	Portable recording amplifier	325.00	REQUA
85-B	Rack mounting amplifier	250.00	RACER



TYPE 130-A, B & C MICROPHONE MIXERS

Contain, two, three or four ladder type controls giving an attenuation of 0 to 45 db. in steps of 1 1/2 db. and cutoff. Each mixer presents a constant impedance of 500 ohms to the amplifier input. High grade arm and contact assemblies assure noiseless operation.

Designed for connection between Presto preamplifiers and recording amplifier. Mounted on 3 1/2"x19" relay rack panels.

Shipping Weight: 15 lbs (7 kg.).

TYPE	DESCRIPTION	PRICE	CODE
130-A	2 Channel Mixer	\$100.00	RAALE
130-B	3 Channel Mixer	150.00	RABEL
130-C	4 Channel Mixer	200.00	RACIT

Presto Type 50-A and 50-B Radio Tuners

THE ordinary radio receiver is totally unsuited for making off-the-air recordings because the tuning circuits cut off the side bands, attenuating the high frequencies. The Presto radio tuner consists of three stages of band-pass radio frequency amplification adjusted to produce a flat-top response characteristic passing side bands up to 8,000 cycles without serious attenuation. A sharp cut-off thereafter provides adequate selectivity. The tuner enables the user to make off-the-air recordings comparable in quality with studio recordings and is recommended for all studios making "aircheck" recordings for advertising agencies and radio artists. The 50-A tuner is mounted in a metal cabinet, the 50-B on a relay rack panel.

Frequency Response: At 1,000 kc. 50 to 8,000 cycles.

Impedance: Output 500 ohms.

Output Level: Average 0 db. (.006W.).

Selectivity: At 1,000 kc. minus 5 db. at 18 kc. limits.

Controls: Illuminated tuning dial, volume control and power switch.

Tube Complement: 1st, 2nd and 3rd RF stages 6-D-6's; detector, audio stage and AVC, 76's.

Power Requirements: Chassis contains filament transformer operating from 110 volts 50/60 cycle supply. Plate power is supplied by the 85-amplifier chassis.

Finish: Black or gray enamel as specified by purchaser.



Operating Dimensions:

50-A and 50-B Tuners—19"x10½"x10" (48x26x25 cm.).

Shipping Dimensions & Weight: Packed in one case measuring 29"x14"x13" (74x36x33 cm.), weighing 50 lbs. (23 kg.).

TYPE	DESCRIPTION	PRICE	CODE
50-A	Radio tuner in metal cabinet	\$130.00	RATHE
50-B	Rack mounting radio tuner	115.00	RATOB

TYPE 40-A AND B PREAMPLIFIERS

These preamplifiers are intended for use with Presto recording amplifiers. They are similar to the recording amplifier in appearance and have the same frequency response. The 40-B amplifier is mounted on a relay rack panel. The 40-A amplifier is mounted in a carrying case and contains a switch for changing the input impedance to use a 50, 200 or 500 ohm microphone.

Gain: 55 db.

Tube Complement: Two 1221's.

Impedance: Input 50/200/500 ohms. Output 500 ohms.

Operating Dimensions & Weight: Type 40-A case closed 15"x8"x10" (38x20x25 cm.). Weight 18 lbs. (8 kg.). Type 40-B 19"x5¼"x8" (48x13x20 cm.). 10 lbs. (5 kg.).

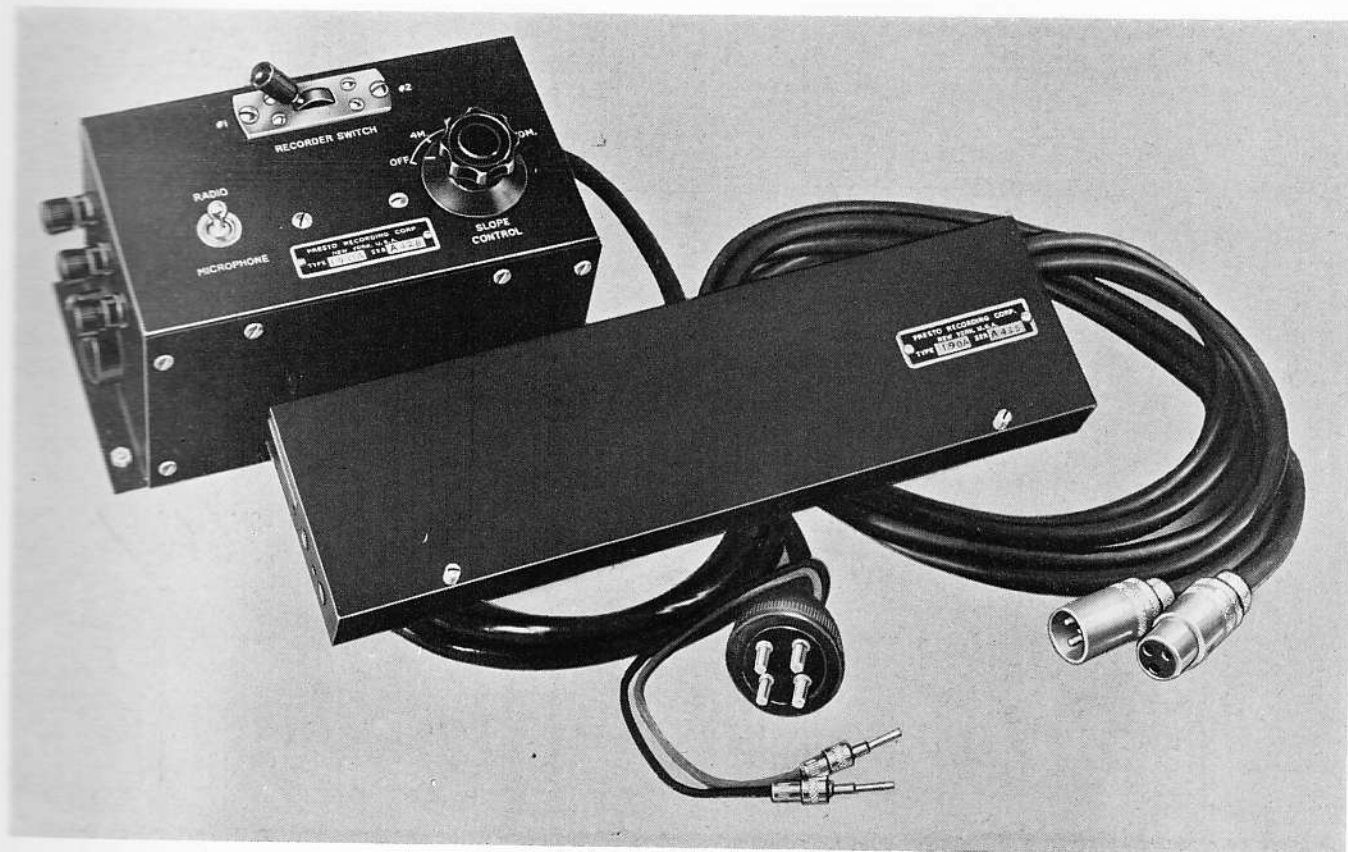
Shipping Weight: 30 lbs. (14 kg.).



TYPE	DESCRIPTION	PRICE	CODE
40-A	Portable preamplifier	\$94.00	RAMPE
40-B	Rack mounting preamplifier	84.00	RABIT

PRESTO RECORDING CORPORATION
NEW YORK, U. S. A.

Presto Type 160-A and 160-B Automatic Equalizers



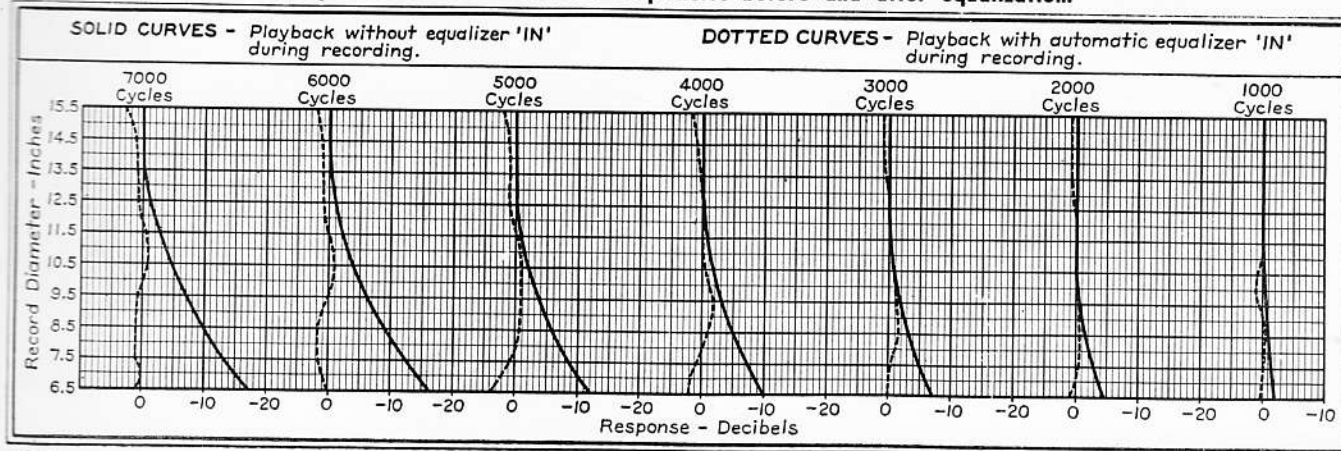
THE Presto automatic equalizer provides the only practical means for keeping the response of 33 $\frac{1}{3}$ RPM recordings uniform throughout. With close supervision a skilled operator can produce similar results by manual operation but this is seldom possible in a busy recording studio or broadcasting station. For this reason the Presto automatic equalizer is used in practically all studios that produce high quality electrical transcriptions.

In recording at 33 $\frac{1}{3}$ RPM there is a progressive attenua-

tion of the higher frequencies as the radius of the groove becomes smaller, because the linear speed of the record past the needle becomes slower.

These losses can only be compensated for by artificially increasing the amplitude of the higher frequencies while recording. The Presto automatic equalizer holds the input to the cutting head at a constant level and at the same time continuously alters the frequency response of the amplifier to correct for the attenuation which occurs on playback.

Playback curves at different frequencies before and after equalization.



SPECIFICATIONS

Standard Equipment: The 160-A Equalizer consists of a control box containing a tuned circuit adjustable to peak the amplifier response at 4,000, 6,000, 8,000 or 10,000 cycles and a slider unit which attaches to the cutter feed mechanism. The sliding contacts move with the cutting head adjusting a resistance network to alter the frequency response curve of the amplifier to compensate for the high frequency attenuation at various groove radii and at the same time to hold the input to the cutting head at a constant level. The 160-B equalizer consists of one control box and two slider units for use with dual turntable installations.

Frequency Response: Used with the Presto I-C cutter, the frequency response of 33 $\frac{1}{3}$ RPM recordings can be made uniform within 2db up to 6,000 cycles at groove radii between 3 $\frac{1}{2}$ " and 4 $\frac{1}{2}$ ". The full response range of the cutting head (50 to 8,000 cycles) can be reproduced at a groove radius of 5 $\frac{1}{2}$ " or more.

Impedance: Designed to be connected across a 500 ohm line.

Insertion Loss: At 3 $\frac{1}{4}$ " radius, 20 db. at 7 $\frac{1}{2}$ " radius, 3 db.

Controls: Four point switch for selecting the peak frequency, switch for changing instantly to either of two slider arms for continuous recording, toggle switch for radio or microphone recording. Receptacles are provided for connecting the slider arms to the control box and 50-A radio tuner, and binding posts for connecting to the 40-A preamplifier.

Mounting: Brackets are available for mounting the equalizer on the 6-D or 8-A turntable. The type of bracket required should be specified when ordering. Control box equipment is mounted on a relay rack panel for permanent installations.

Shipping Dimensions and Weight: Shipped in one carton measuring 12"x16"x14", (30x41x35 cm.), weighing 15 lbs. 7 kg.

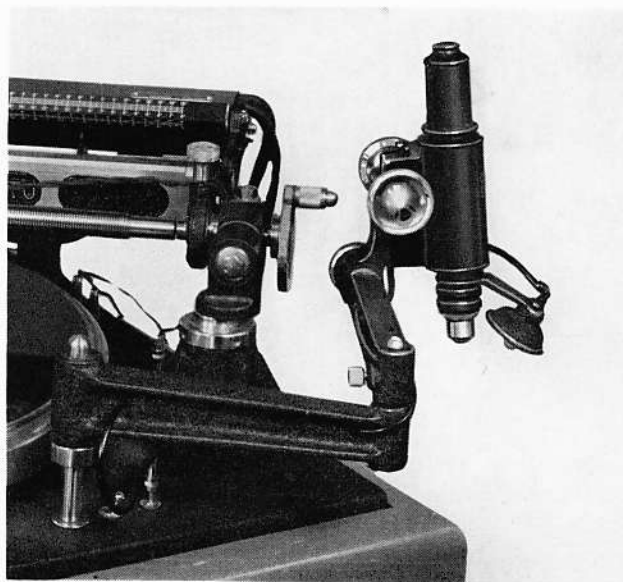
TYPE	DESCRIPTION	PRICE	CODE
160-A	Automatic equalizer	\$195.00	ACERT
160-B	Automatic equalizer	305.00	ADEL

Presto Type 125-A Microscope

ALL experienced recording engineers make a test cut before recording. They examine the cut under a microscope to determine the condition of the cutting needle and disc and to judge the depth and quality of the record groove.

The 125-A microscope gives a magnification of 40 times and shows 7 grooves in perfect focus. It shows clearly the defects in a groove caused by an imperfect cutting needle and magnifies the groove and wall enough to enable the user to judge quickly the ratio of groove to wall width. The 125-A microscope is furnished complete with a heavy cast iron extension bracket, mounting post, lamp, reflector and step down transformer. It can be installed on any 16" Presto recording turntable.

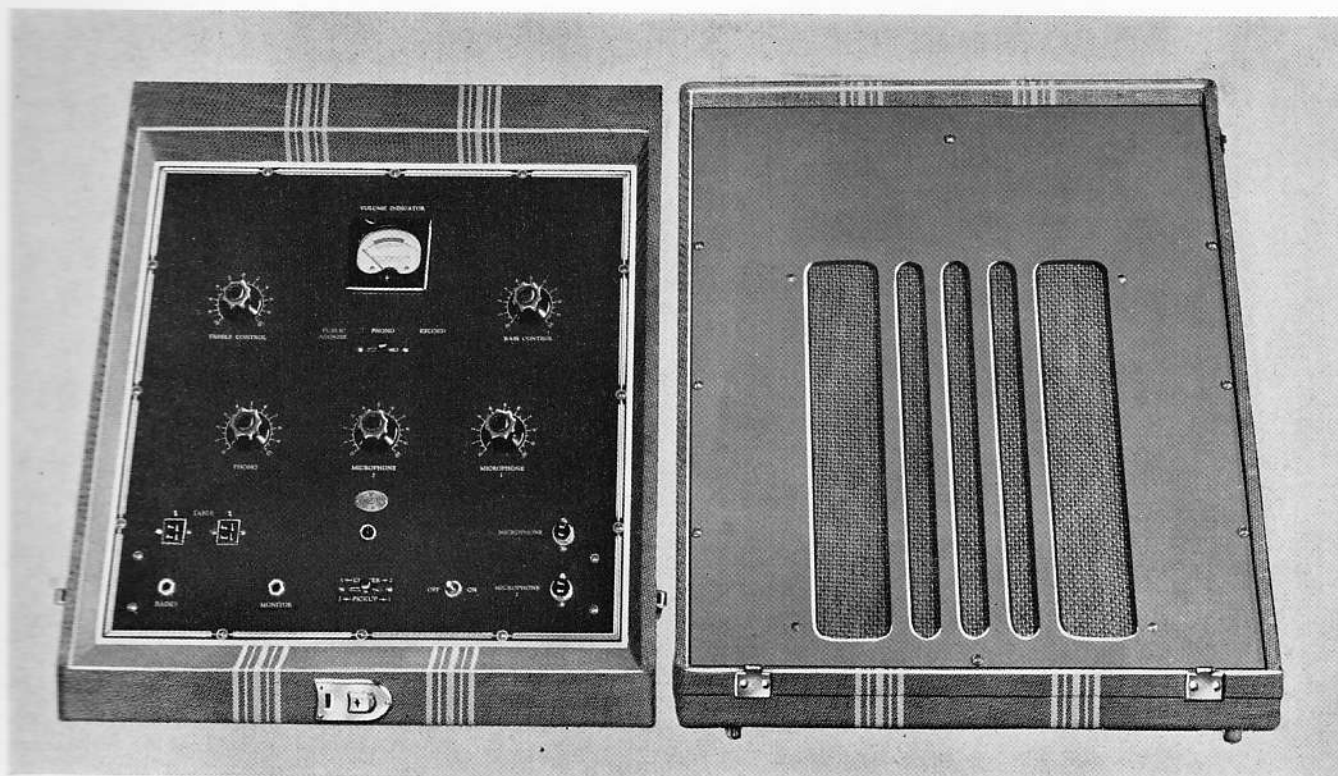
Shipping Weight: 10 lbs. (4.5 kg.).



TYPE	DESCRIPTION	PRICE	CODE
125-A	Microscope	\$120.00	MICRO

PRESTO RECORDING CORPORATION
NEW YORK, U. S. A.

Presto Type 87-A and 87-B Recording Amplifiers



THESE amplifiers form a part of the Presto models F and Y recorders. Their design includes all of the facilities necessary for making and reproducing high quality recordings outside of the studio. The carrying case is conveniently portable and is divided diagonally to mount the amplifier in one side and a full size dynamic loud-

speaker in the other. Used in conjunction with a suitable microphone this unit also forms an excellent portable sound amplifying system for serving audiences up to 500 persons. The 87-A amplifier is designed for use with high impedance microphones. The 87-B amplifier contains input transformers for use with low impedance microphones.

SPECIFICATIONS

Frequency Response: Amplifier, adjusted for flat response, 30 to 10,000 cycles. Turned to the right the treble control produces a maximum peak of 17 db at 6,500 cycles. Turned to the left it acts as a scratch filter giving a maximum attenuation of 20 db at 5,000 cycles. The bass control produces a maximum peak of 20 db at 80 cycles.

Gain: Adjusted for flat response, 120 db.

Power Output: 10 watts.

Distortion: Less than 1% at maximum level required for cutting head.

Impedances: The 87-A amplifier, microphone inputs 100,000 ohms. Line input jack, 500 ohms, output, 8 ohms. The 87-B amplifier, microphone inputs, 50, 200 or 500 ohms, as specified by purchaser, line input jack, 500 ohms, output, 8 ohms.

Controls: Two microphone input gain controls, playback gain control and continuously variable treble and bass equalizer controls, a switch for changing instantly between cutting heads and pickups (when two turntables are used) and a selector switch which con-

nects the amplifier for recording, playback or public address operation. Amplifier panel also contains a volume indicator meter, telephone-line input jack, monitor jack, two turntable receptacles, two microphone receptacles, and a power switch.

Tube Complement: First stage 2 type 6-S-J-7's, second stage, 6-N-7, third and fourth stages, 6-C-8-G's, power stage 2-A-3's P.P. rectifier type 5Z3.

Power Requirements: Draws 120 watts on a 110 volt 50/60 cycle line. Available for 220/240 volts at no additional cost.

Loud Speaker: 10", permanent magnet, dynamic with enclosed baffle.

Mounting: Reinforced carrying case covered in airplane luggage cloth, equipped with chromium plated locks and leather handles. Panel, gray enamel.

Operating Dimensions and Weight: Amplifier, case closed 23 1/2" x 12" x 20" (60x31x51 cm.). Weight 47 lbs. (21 kg.).

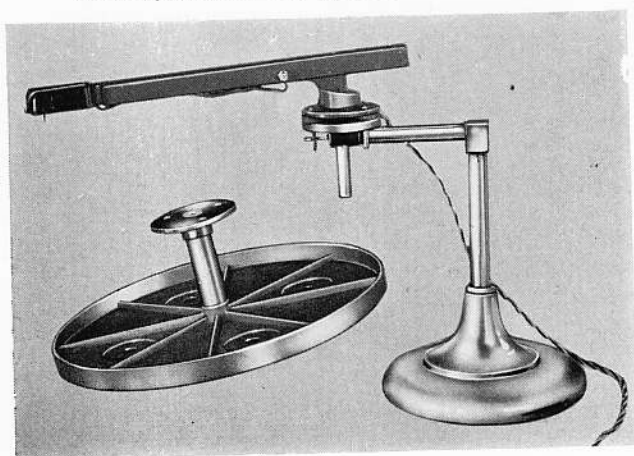
Shipping Dimensions and Weight: One case measuring 35 1/2" x 26" x 16" (90x66x41 cm.). Weight 78 lbs. (35 kg.).

TYPE	DESCRIPTION	PRICE	CODE
87-A	Recording Amplifier	\$245.00	RUBER
87-B	Recording Amplifier	275.00	RUTAL

Presto Type 300-A Re-Recording Equipment



300-A EQUIPMENT ON MODEL "K" RECORDER



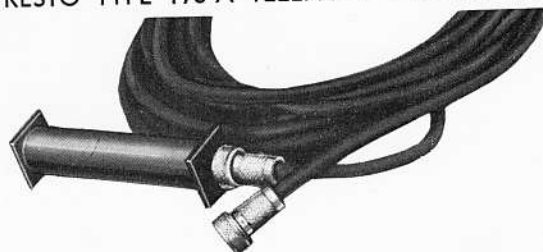
The type 300-A re-recording equipment consists of an auxiliary turntable, which mounts on top of the recording turntable and an external pickup mounted on a pedestal. For re-recording or dubbing the 300-A equipment has several important advantages over a separately driven turntable. 1) The rotation of the recording and playing turntables is locked together so that the playing time and pitch of the duplicate record are identical with the original. 2) No wows or wavers can be introduced during the re-recording since any variation in speed will occur simultaneously on both tables. 3) It is less expensive than a second complete turntable.

The 300-A equipment may also be used with the Presto model K-7 recorder to play 16", 33 1/3 RPM electrical transcriptions.

Standard Equipment: The complete 300-A equipment consists of a 140-A turntable, 141-A magnetic pickup and 142-A pickup pedestal. **Frequency Response:** Pickup 70 to 7,500 cycles. **Impedance:** Pickup 2,000 ohms. **Finish:** Gray enamel. **Shipping Weight:** 25 lbs. (11 kg.)

TYPE	DESCRIPTION	PRICE	CODE
300-A	Complete re-recording equipment	\$60.00	RUBAB
140-A	Turntable, only	20.00	RUCAL
141-A	Pickup, only	35.00	RUFFE
142-A	Pickup Pedestal, only	5.00	RUTAR

PRESTO TYPE 175-A TELEPHONE PICKUP COIL



The 175-A pickup coil makes it possible to record both sides of a telephone conversation without making physical contact with the telephone wires or instruments. It is widely used by radio program producers for simulating telephone conversations during dramatic sketches. The coil, when placed near the ringer box of the telephone, will pick up sufficient energy by induction to make a perfect recording. It is connected to the recorder at the microphone receptacle, and may be used with any Presto recording amplifier. **Shipping Weight:** 6 lbs. (2.7 kg.)

TYPE	DESCRIPTION	PRICE	CODE
175-A	Pickup coil with 20' cord and plug	\$15.00	TELEC

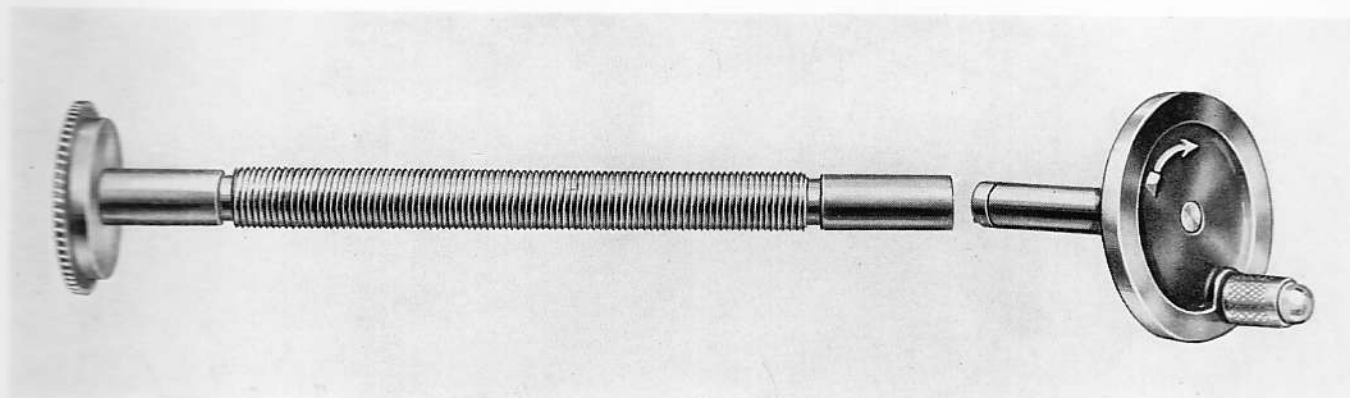
MICROPHONES FOR USE WITH PRESTO RECORDER

Except in the case of the model K, no microphones are included with Presto recorders. High grade dynamic or velocity microphones are recommended for use with the other models. A dynamic microphone is preferable for recording speech since a velocity microphone tends to deepen the pitch of the voice if the speaker is too close to the microphone. Either a velocity or dynamic microphone may be used to record music. Where a group of musical instruments or voices is to be recorded, it is always best to obtain a proper balance by careful placement of the microphone rather than by using a number of microphones. Where the sources of sound are widely separated, two or more microphones must be used. The uses of uni-directional or bi-directional microphones can best be understood by studying the manufacturer's literature. Only the highest quality microphones will enable the user to realize the full capabilities of the Presto recording equipment. Our engineering department will be glad to recommend microphones for specific requirements.

PRESTO RECORDING CORPORATION

NEW YORK, U. S. A.

PRESTO FEED SCREWS



CAREFULLY cut and ground from stainless steel, Presto feed screws space the record grooves with microscopic accuracy. The threads are buttressed to maintain positive pressure against the finger in the cutting head carriage and for this reason the screws cut in one direction only. Both the standard and spiralling feed screws can be quickly removed from the cutting mechanism by loosening one thumbscrew. The spiralling feed screw enables the operator to cut widely spaced starting and runout grooves and to space individual selections and announcements on a disc without disturbing the continuity of the groove.

Shipping weight: 2 lbs. (.9 kg.).

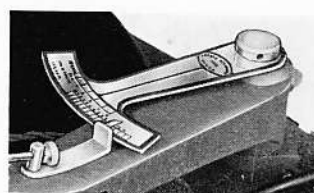
TYPE	DESCRIPTION	PRICE	CODE
32-A	Standard feed screw, 96 lines an inch	\$22.50	SARAF
32-B	Standard feed screw, 112 lines an inch	22.50	SABER
32-C	Standard feed screw, 120 lines an inch	22.50	SACOR
15-A	Spiralling feed screw, 96 lines an inch	52.50	SPARL
15-B	Spiralling feed screw, 112 lines an inch	52.50	SPERB
15-C	Spiralling feed screw, 120 lines an inch	52.50	SPICE
805-A	Conversion of standard feed screw to spiralling feed screw, includes furnishing ratchet and crank	30.00	STARP
805-B	Conversion of standard feed screw for use with spiralling ratchet and crank	3.00	STEFT

NOTE:—In ordering feed screws, add "IO" or "OI" to type number to designate whether for cutting inside-out or outside-in.

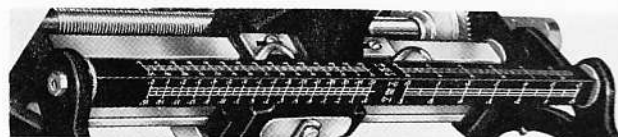
PRESTO TIME SCALES

A TIME scale is a convenient attachment for any recording turntable. It shows the starting point for the cutting needle on each size of disc and the elapsed recording time at both 78 and 33 $\frac{1}{3}$ RPM. The 20-A time scale is designed for use with the 8-A turntable. It is four-sided and may be rotated for use with 96, 104, 112 or 120 line feed screws. The 20-B time scale, designed for the 6-D table, is single faced and can be furnished for any feed screw pitch. The 21-A time scale is designed for the 75-A table. All Presto time scales may be attached by the owner.

Shipping weight: 1 lb. (.45 kg.).



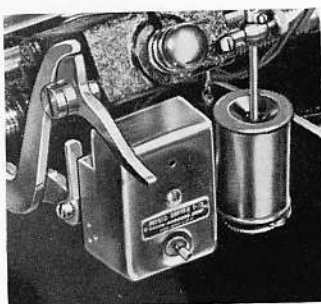
21-A Time Scale



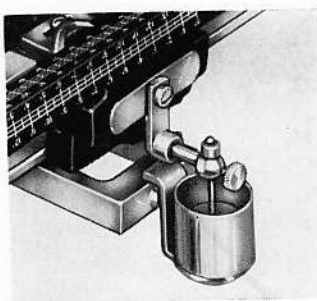
20-A Time Scale

TYPE	DESCRIPTION	PRICE	CODE
20-A	Time scale with mounting brackets	\$15.00	SCORP
20-B	Time scale with mounting brackets	10.00	SCADE
21-A	Time scale, no brackets required	5.00	SCRYP

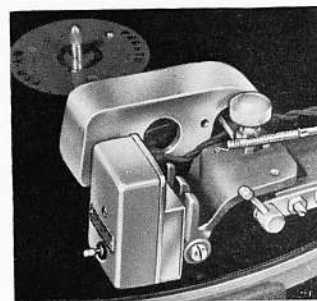
PRESTO VERTICAL DAMPERS



170-A Damper on 6-D table



170-B Damper on 8-A table



171-A Damper on 75-A table

THE Presto vertical damper eliminates flutter and distortion due to vertical modulation in the record groove. It is an essential attachment for making instantaneous recordings to be played on high fidelity reproducing equipment and is now furnished with all Presto 16" recording turntables. The 170-A and 170-B dampers consist of a liquid dashpot and plunger attached to the cutting head and carriage which prevent any appreciable vertical motion of the cutting head at audible frequencies. The 171-A damper performs the same service but is of the inertia type which does not require a liquid and is there-

fore more suitable for use with a portable turntable. Price quotations include cam lever and the cost of attaching the 170-A and 170-B dampers at the factory if the cutting head carriage is sent in transportation prepaid. The 171-A damper may be easily attached by the owner.

Shipping Weight: 1 lb. (.45 kg.).

TYPE	DESCRIPTION	PRICE	CODE
170-A	Vertical damper for 6-D table	\$15.00	VERTE
170-B	Vertical damper for 8-A table	15.00	VIBAR
171-A	Vertical damper for 75-A table	15.00	VEYNE

NOTE:—Prices include liquid required for dashpot.

PRESTO REPLACEMENT PARTS

TYPE	DESCRIPTION	PRICE	CODE	TYPE	DESCRIPTION	PRICE	CODE
5-A	Cutting head for model K recorder	\$25.00	BABOT	131-D	Spring, counterbalance, for model K	.15	BAQUE
102-E	Idler wheel, 78 RPM, for 6-D table	7.50	BACEL	145-A	Motor for 8-A table	49.00	BARRE
103-E	Idler wheel, 33 $\frac{1}{3}$ RPM, for 6-D table	7.50	BADIM	146-A	Motor for 6-D table	49.00	BASTA
104-A	Idler wheel, 78 RPM, for 8-A table	7.50	BAFAR	147-A	Motor for 75-A and 62-A tables	35.00	BATHE
105-A	Idler wheel, 33 $\frac{1}{3}$ RPM, for 8-A table	7.50	BAGET	148-A	Motor for model K recorder	20.00	BAUVE
116-E	Overhead feed mechanism (p. 1015-A)	175.00	BAILE	150-C	Pickup for 8-A, 6-D tables	45.00	BAVLA
127-A	Rubber tire for 75-A table	4.00	BAJRE	150-D	Pickup for model K recorder	15.00	BAWLO
127-B	Rubber tire for model K recorder	2.00	BAKER	150-E	Pickup for 75-A	35.00	BAWHI
128-A	Overhead feed mechanism (p. 1013-A)	350.00	BALLY	220-A	Grommet motor mounting, Set	.50	BAXXE
131-A	Spring, counterbalance, for 8-A table	.10	BAMPF	230-A	Pulley, motor drive, for 8-A table	6.50	BAYER
131-B	Spring, counterbalance, for 6-D table	.10	BANTE	230-B	Pulley, motor drive, for 6-D table	6.50	BAZLU
131-C	Spring, counterbalance, for 75-A table	.15	BAPPY	230-C	Pulley, motor drive, for 75-A table	4.50	BEATH
				230-D	Pulley, motor drive, for 62-A table	4.50	BEBBO
				231-A	Pulley, motor drive, for model K	1.75	BECON

PRESTO RECORDING CORPORATION

NEW YORK, U. S. A.

Presto Green Seal Discs, Cutting and Playing Needles

IN 1934 the Presto Recording Corporation introduced the first cellulose coated disc for instantaneous recording. Even the first crude discs of this type were far superior to any direct recording medium used in the past and they quickly replaced aluminum, celluloid, gellatin and other materials with which experimenters were working at the time. Continual improvement in the Presto disc paved the way for the development of the instantaneous recording industry as it exists today.

The Green Seal disc is the finest grade of recording blank made by Presto. It consists of a heavy base of nameplate aluminum stock, the smoothest and cleanest metal obtainable in commercial quantities, coated with a compound which has been developed during six years of experiment and practical experience. This compound contains 51 ingredients and is made by a formula developed and used exclusively by Presto.

The performance of the present Green Seal disc is actually superior to that of most recording equipment with which it is used. Surface noise due to contact between the disc and reproducing needle is considerably lower than the mechanical and electrical noises originating in commercial turntables and amplifiers. Research laboratories use the Green Seal disc to demonstrate the capabilities of the finest vertical and lateral recording equipment. It is considered the standard recording blank by over 80% of the larger broadcasting stations and recording studios throughout the world.

Presto Master Discs

Presto oversize master discs are used extensively by phonograph record and electrical transcription manufacturers for making original master recordings from which pressings are produced. The Presto master has several important advantages over wax blanks.

1. It is not affected by heat or cold, remaining in perfect condition for cutting at any temperature between 40 F. and 150 F. (5 to 65 degrees C.).
2. It is not affected by changes in temperature or humidity after cutting and may be stored anywhere if protected from dust.
3. It is unbreakable and can be safely shipped any distance for processing.
4. The equipment investment required for cutting Presto masters is but a small fraction of the cost of a wax recording installation producing the same quality of recordings.

Making Presto Recordings.

The following rules should be observed in making Presto recordings:

1. See that the turntable is absolutely level.
2. Use only sapphire cutting needles for making high quality recordings.
3. Before recording, clean the disc thoroughly with a soft cloth to remove dust and lint.
4. Lower the cutting needle gently on the disc with the table running. The sapphire point may break if the table is started with the needle resting on the disc.
5. Before recording make an unmodulated test cut on a portion of the disc which will not be used and examine the depth and quality of the groove under a microscope. The ratio of groove



to wall width should be 65/35 when cutting 112 lines an inch, 60/40 when cutting 96 lines an inch. The microscope should be kept vertical while making these measurements.

6. Examine the thread cut from the disc to see that it is straight and shiny and about the thickness of human hair. A kinked or curly thread means either that the cut is too deep or that the cutting needle is defective or that it is set at an improper angle. The proper angle lies between vertical and a 5 degree drag.
7. As a further test, play back the test groove to check the level of the surface noise.
8. Do not allow waste thread to touch the cutting needle. It will cause "pops" and "squeals" in the recording and may lift the cutting needle from the disc breaking the continuity of the groove.
9. When recording at 33 1/3 RPM do not cut at a groove diameter of less than 6 1/2". Surface noise and distortion will increase rapidly on cuts made closer to the center. All recordings made at either 78 or 33 1/3 RPM should be placed as far as possible toward the outer edge of the disc.
10. Do not apply oil or any other preparation to the disc before recording. There is no lubricant known which has any value for cutting Presto records.
11. Use extreme care in handling the discs immediately after cutting. Dust, scratches, even finger prints will cause objectionable surface noise. Apply DISCLUBE immediately to recordings that are to be played a number of times. Do NOT use DISCLUBE on instantaneous recordings that are to be used once, only, for broadcasting. DISCLUBE will increase surface noise slightly on the first few playings. Thereafter, a recording treated with DISCLUBE will last longer and play more quietly than one which has not been treated.

Making Master Recordings.

The following additional points should be considered in making master recordings for processing:

1. Commercial pressings are slightly undersize. In the absence of a time scale, determine the diameter of the outside groove by laying a commercial pressing on top of the blank. Draw a circle outlining the pressing with a red china marking pencil. Start the regular grooving at least 1/4" inside this line.
2. Surface noise will be higher on the pressings than on the original recording. The program must therefore be monitored very carefully to keep the cutting level as high as possible throughout.
3. The materials used for making pressings are harder than instantaneous recording material and therefore reproduce the high frequencies more efficiently. This should be considered in equalizing the response of master recordings.

4. Never play any part of a recording that is to be processed. If the program must be checked it is best to make duplicate recordings and play back the spare. Even the lightest pickups will cause some damage to a freshly cut disc.

5. Do not use DISCLUBE or oil on master recordings as neither is necessary and they may interfere with processing.

6. Use extreme care in handling and packing masters for shipment. Dust, scratches and fingerprints will produce surface noise in the finished pressings.

Processing Master Recordings.

The original or master recording is treated on one side to render it electrically conducting. It is then placed in an electroplating bath and copper plated to a thickness of about 1/16". The copper disc, when formed, is removed from the Presto disc and placed in a hot hydraulic press. When the copper disc is pressed against a thermoplastic material such as vinylite or shellac the impressions in the surface of the copper are accurately transmitted to the plastic material. The plastic disc is then cooled to hardness and removed from the press.

Where more than 50 pressings are to be made or if the master recording is particularly valuable, a metal "mother" is made from the copper disc. This mother is then used to produce metal stampers which are duplicates of the original copper disc. Pressings can be made from the stampers in any desired quantity and the mother safely stored for future use. When double-face pressings are to be made, two master discs are required and each must be processed separately. Presto master discs may be cut on both sides but only one side can be plated. Presto does not process masters or make pressings but will recommend reliable firms doing this work on request.

Presto Green Seal Discs

TYPE	SIZE		THICKNESS	PLAYING TIME PER SIDE		PRICE	CODE
				78 RPM 96 LPI 112	33 1/3 RPM 96 LPI 112		
606-A	6"	15.2 cm	.051	1.3 min. 1.640	SIXOL
608-A	8"	20.3 cm	.051	2.6 min. 3.055	EOGTA
610-A	10"	25.4 cm	.051	3.8 min. 4.580	TABOZ
611-A	11 7/8"	30.2 cm	.051	5.0 min. 5.7	7 min. 8	1.00	ELVET
612-A	12"	30.5 cm	.051	5.0 min. 5.7	7 min. 8	1.00	TWELV
613-A	13 1/4"	33.7 cm	.051	5.8 min. 6.8	9 min. 10	1.35	THYRT
616-A	16"	40.6 cm	.064		13 min. 15	2.00	SIHEV

Presto Oversize Master Discs

TYPE	SIZE		THICKNESS	SIZE OF PRESSING	PRICE	CODE
621-A	11 1/2"	29.2 cm	.079	9 7/8"	1.25	EVLIN
623-A	13 1/2"	34.2 cm	.079	11 7/8"	1.80	TRIOS
627-A	17 1/4"	43.7 cm	.079	16"	3.00	SEVYT

Presto Cutting and Playing Needles, Disclube

603-A	Short, (.625") (1.59 cm.) professional sapphire cutting needle, duralumin shank.....	5.00	806-A	Resharpening, sapphire cutting needle.....	2.00
604-A	Long, (.687") (1.74 cm.) professional sapphire cutting needle, duralumin shank, for I-B and I-C cutters.....	5.00	601-A	Diamond playing needle.....	20.00
			631-A	Disclube, pint can (.5 litre).....	1.65

Playing Presto Recordings.

Presto recordings may be played immediately as soon as they are recorded. No processing is necessary. Although they may be played on any phonograph, best results both in quality of reproduction and playing life will be obtained if they are played only with modern electrical reproducers which exert a pressure of less than 2 oz. on the disc. Diamond, sapphire or carefully shaped metal playing needles should be used. A defective playing needle will damage the record permanently.

Surface noise on a well cut Presto disc is inaudible for about 6 playings. Thereafter it increases slightly with wear but is lower than commercial phonograph record noise for at least 100 playings. Over 1,000 useful playings can be obtained.

Presto Sapphire Cutting Needles.

These cutting needles are shaped to cut a standard 87.5 degree groove. The point and cutting edges are slightly dubbed to produce a smooth shiny groove giving a minimum of surface noise. Used with the Presto I-C cutting head they will record frequencies beyond 8,000 cycles. Presto sapphire cutting needles have an average cutting life of 5 hours on each sharpening and may be resharpened about 10 times.

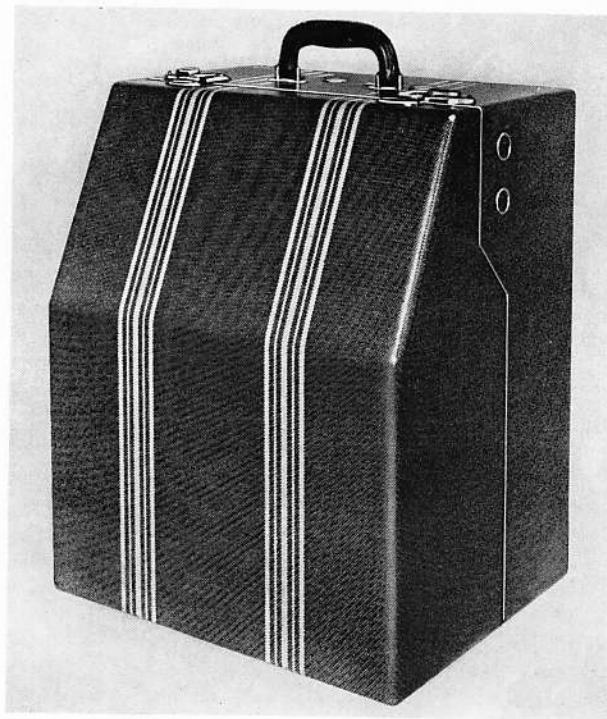
Presto Diamond Playing Needles

These needles are recommended for obtaining the highest quality reproduction and longest playing life from Presto recordings. The diamond point is carefully shaped to fit the standard groove made by Presto cutting needles and is hand polished to cause a minimum of wear on the record. They can be expected to give at least 1,000 hours of satisfactory service if used only for playing Presto recordings and vinylite pressings.

PRESTO RECORDING CORPORATION

NEW YORK, U. S. A.

PRESTO Model "L" Transcription Playback



THIS equipment is designed for radio stations, advertising agencies and program producers who demonstrate recorded programs at the offices of prospective clients.

Salesmen who use the Model L Playback will particularly appreciate its attractive, workmanlike appearance, its small size and light weight which make it extremely easy to carry, its simplicity which makes it possible to set up for operation within a few seconds and the remarkably clear, wide range reproduction . . . far superior to that ordinarily expected from portable equipment.

The Model L Playback was developed to meet an insistent demand among the larger broadcasting stations and agencies for "something better" in portable reproducing equipment. Those who use the Model L Playback in connection with important sales of station time and programs will consider its exceptional performance well worth its cost.

Standard Equipment: The Model L Playback consists of a 12" dual speed rim-driven recording turntable, a high quality 16" pickup on a swivel mounting which folds into the case when not in use, a four stage amplifier and an 8" loudspeaker, mounted in a single carrying case. The speaker mounted in the case cover is equipped with a 20' extension cable. A Presto Transcriptone, semi-permanent playing needle is supplied as initial equipment.

Frequency Response: Overall 80 to 7500 cycles.

Reproducer: Lateral magnetic type, needle pressure 1 3/4 oz.

Power Output: Amplifier 5 watts undistorted.

Output Impedance: For external speaker, 8 ohms.

Speed Accuracy: Within .4%. Regulation within a single revolution. .3% at both 78 and 33-1/3 RPM.

Gain: Amplifier 75 db.

Controls: Amplifier control panel contains, tone control having a range suitable for adjusting response for all makes of lateral recordings, volume control and power switches.

Tube Complement: Amplifier 1st stage 6SF5, 2nd stage 6N7, power stage 45's PP. Rectifier '80.

Power Requirements: Draws 110 watts on a 110 volt 60 cycle line. Available for other frequencies at added cost. See price list. Converter required for direct current operation.

Finish: Carrying case covered in gray airplane luggage cloth. Metal parts finished in smooth gray enamel with nickel trim.

Operating Dimensions and Weight: With case closed 19 1/2" x 15 1/2" x 14" (50 x 39 x 36 cm.) weight 46 lbs. (21 kg.).

Shipping Dimensions' Weight: Packed for shipment in a single case measuring 32" x 21" x 17" (81 x 53 x 43 cm.) weighing 59 lbs. (27 kg.).

MODEL	DESCRIPTION	PRICE	CODE
L-1	Portable transcription playback	\$250.00	ELBOW

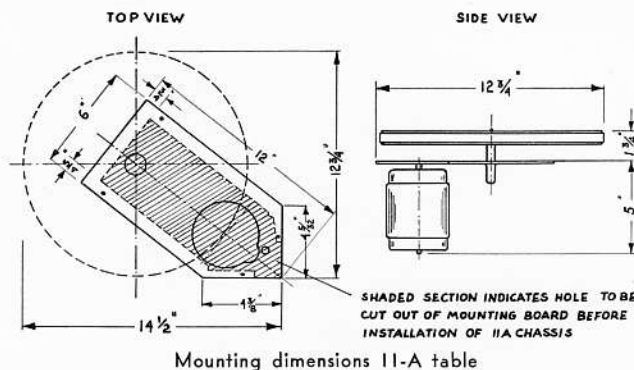
NOTE: Available for 110 volts 50 cycles at no additional charge. For changes necessary to operate on 110 volt 50/60 cycles, add \$20.00; for 110 volts 25 cycles, add \$50.00.



memo

PRESTO RECORDING CORPORATION • NEW YORK, U. S. A.

PRESTO Type 11-A Turntable



Mounting dimensions 11-A table

THE Presto 11-A turntable chassis is recommended for use in radio phonograph combinations, centralized sound systems, portable transcription playback equipment, wherever high quality reproduction of records and transcriptions is required. It is particularly convenient for use in sound effects reproducing equipment where a number of turntables must be combined in a single compact unit.

The 11-A table forms a part of the Presto K-7 recorder. Designed for recording it has ample power for playing 16" transcriptions without "wows" and without change of pitch due to the drag of the pickup. It operates at either 78 or

33 1/3 RPM. Speed can be changed in less than 5 seconds.

The table employs the exclusive Presto drive system consisting of a rubber tire mounted on the turntable rim driven by metal pulleys on the motor shaft. The turntable and tire assembly are hand machined to perfect dynamic balance. The table revolves on a single ball bearing at the base of a bronze shaft well. The motors used in the 11-A table are carefully selected for quiet operation and are suspended in live rubber to reduce mechanical vibration. The mounting base is cut to a convenient size to facilitate mounting.

SPECIFICATIONS

Standard Equipment: Consists of the turntable and bearing, motor and drive system completely assembled on a metal base ready for operation.

Speed Accuracy: Within .4% at both 78 and 33 1/3 RPM. Regulation within a single revolution .2%.

Noise Level: Total noise originating in table over 35 db below program level.

Size: Turntable diameter 12".

Finish: Brown enamel.

Power Requirements: Motor draws 40 watts on 110 volt 60 cycle line. Available for other voltages and frequencies at additional cost.

Operating Dimensions: See drawings.

Shipping Dimensions and Weight: One carton measuring 15" x 13" x 8" (38 x 33 x 20 cm) weighing 18 lbs. (10 kg.).

TYPE	DESCRIPTION	PRICE	CODE
11-A	Turntable chassis	\$50.00	KEVEL
127-B	Tire for replacement	2.00	BAKER

NOTE: Add \$10.00 for table adapted to operate on 220 volts, 60 cycles; 110 volts or 220/240 volts 50 cycles. Add \$25.00 for table to operate on 25 cycle supply.

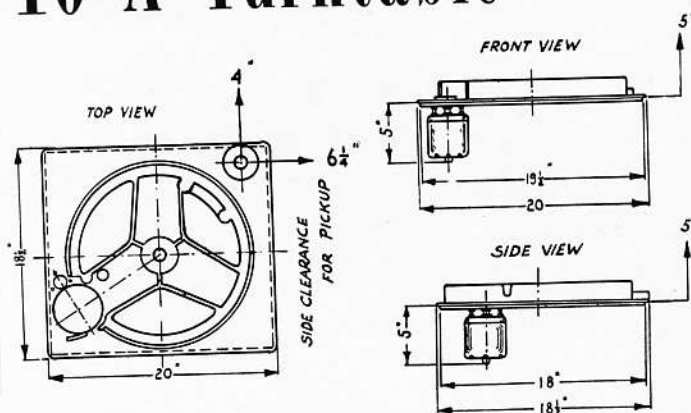
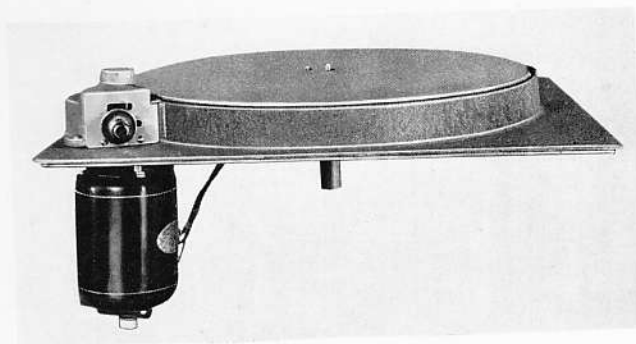
PRESTO RECORDING CORPORATION

NEW YORK

U. S. A.

Printed in U.S.A.

PRESTO Type 10-A Turntable



Mounting dimensions 10-A table

NATURAL reproduction of electrical transcriptions requires a turntable which is absolutely steady in speed and exceptionally free of mechanical vibration. Practical operating conditions in broadcasting stations call for a table which may be operated 18 hours daily over long periods of time without adjustment. The Presto 10-A turntable is designed to meet these requirements.

The 10-A table forms a part of the Presto 62-A and 63-A transcription turntables. The chassis only is offered as a replacement unit for stations having satisfactory reproducing pickups mounted on worn or inadequate turntables. The 10-A chassis can be mounted in most cabinets without disturbing the pickups or controls.

The mechanical design of the 10-A table is extremely simple. There are but 2 moving parts. The table consists of a metal platter to which a live rubber tire is fitted. This assembly is machined to perfect roundness and dynamic balance. A steel step pulley on the motor shaft drives against the rubber rim of the table. Speed is changed instantly by moving the motor carriage to engage either section of the drive pulley. Maintenance consists of oiling at 90 day intervals, occasional adjustment of the drive pressure and replacement of the tire once yearly.

The 10-A table is used and recommended by leading radio stations and transcription makers for playing both vertical and lateral recordings.

SPECIFICATIONS

Standard Equipment: Consists of the turntable and bearing, motor and drive system completely assembled on a cast metal base ready for operation.

Speed Regulation: Speed accuracy of .4% is maintained at both 78 and 33 1/3 RPM. Speed regulation within a single revolution is accurate to .2%.

Noise Level: Total of all sound originating in table over 50 db below maximum program level.

Size: Turntable diameter 16".

Finish: Gray enamel.

Power Requirements: Synchronous motor draws 50 watts on a 110 volt 60 cycle line. Motors available for other voltages and frequencies at additional cost.

Operating Dimensions: See drawings.

Shipping Dimensions and Weight: One case measuring 31"x24"x15" (79x61x38 cm) weighing 55 lbs. (30 kg.).

TYPE	DESCRIPTION	PRICE	CODE
10-A	Turntable chassis	\$140.00	TERSE
127-A	Rubber tire for replacement	4.00	BAJRE

NOTE: Add \$10.00 for adapting equipment to operate on 220 volts 60 cycles, 110 watts or 220/240 volts 50 cycles. Add \$30.00 for table to operate on 25 cycle supply.

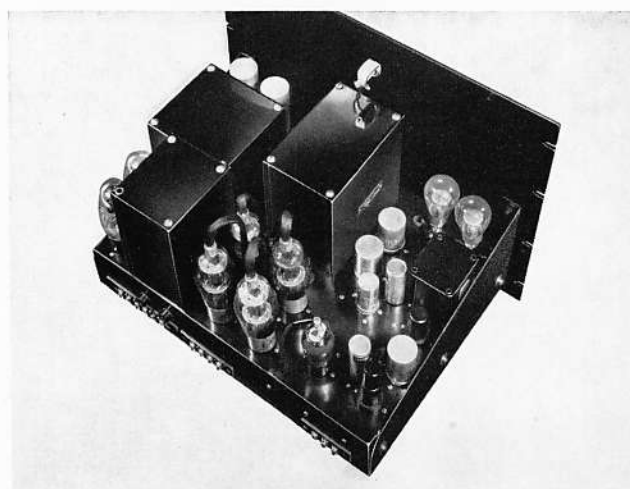
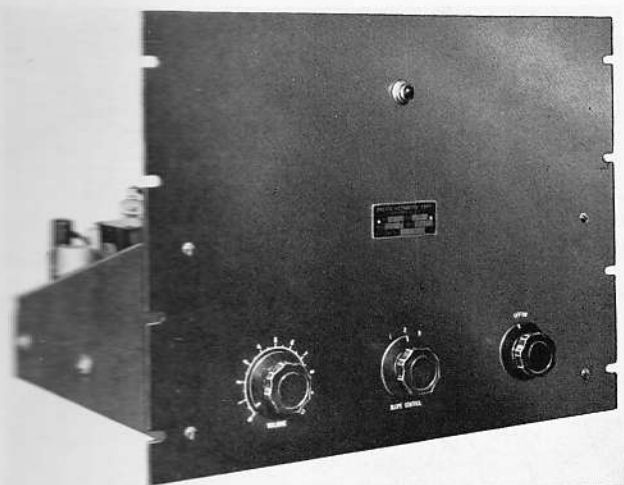
PRESTO RECORDING CORPORATION

NEW YORK

1038A

U. S. A.
Printed in U.S.A.

PRESTO Type 88-A Amplifier



THE Presto 88-A is the first recording amplifier capable of standardizing the frequency response of instantaneous recordings so that they will complement exactly the characteristics of the high fidelity reproducing equipment now used in most broadcasting stations. Transcriptions made with the 88-A amplifier and Presto I-C cutting head will reproduce uniformly a range from 50 to 9,000 cps. when played back on Presto, Western Electric or RCA reproducing equipment.

The amplifier has three calibrated frequency response curves, one, flat from 50 to 17,000 cps., and two with rising high frequency characteristics to complement either the NBC Orthacoustic playback system or the standard high fidelity lateral playback equipment. In determining

these response curves allowance was made for the inherent characteristics of Presto instantaneous recording blanks. Changes in response due to varying groove diameter may be taken care of by the Presto 160-A automatic equalizer.

In combination the Presto 88-A amplifier, I-C cutting head and 160-A equalizer will make instantaneous recordings which equal the response of the finest commercial recordings. Ample reserve power in the amplifier makes it possible to obtain complete groove modulation without distortion keeping surface noise well below the limit of audibility. Replacement of any ordinary type of recording amplifier by the 88-A will result in a tremendous improvement in the quality of instantaneous recordings.

SPECIFICATIONS

Frequency Response: Pos. 1, uniform within 1 db from 20 to 17,000 cps.; Pos. 2, complements the NBC Orthacoustic playback system; Pos. 3, complements the standard high fidelity lateral playback system.

Impedances: Input, either 500 ohms or 15,000 ohms for bridging as specified by purchaser. Output 500, 250, 15 or 6 ohms as specified by purchaser.

Gains: For 500 ohm input, 85 db. For 15,000 ohm input bridging a 500 ohm line, 70 db.

Power Output: 50 watts.

Distortion: Less than 1 1/2% at full output.

Noise Level: Total noise due to power supply, tubes, etc., 40 db below zero level (equals .006 watt).

Controls: Selector switch for frequency response, gain control and power switch.

Power Supply: Built-in.

Tubes: First stage 6-SF-5; second stage 6-J-7; third stage 6-F-8-G; fourth stage 4-807's; rectifiers 2-83's.

Power Requirements: Draws 200 watts on 110 volt 50/60 cycle line. Available for other voltages and frequencies at additional cost.

Finish: Panel, gray enamel.

Operating Dimensions: The amplifier and power supply are mounted on a 14"x19" (36x48 cm.) relay rack panel. Depth behind panel is 14" (36 cm.).

Shipping Dimensions & Weight: One case measuring 32"x19"x17 1/2" (81x48x45 cm.), weighing 95 lbs. (43 kg.). One carton containing tubes weighing 3 lbs. 1.35 kg.

TYPE	DESCRIPTION	PRICE	CODE
88-A	Recording Amplifier	\$250.00	RAZOR

Add \$20.00 for adapting amplifier to 25 cycle supply.

Presto Stellite Cutting Needles

Presto Stellite cutting needles make cuts that compare favorably with the sapphire but the cutting life is shorter, averaging about two hours. Stellite needles may also be resharpened.

TYPE	DESCRIPTION	PRICE	CODE
330-A	Stellite Cutting Needle	1.25	DADUS
807-A	Resharpening Stellite Point	.65	DAFFE

Prestalloy Cutting Needles

The Prestalloy cutting needle is an excellent general purpose needle, cutting almost as quietly as the sapphire and having a cutting life of five to fifteen hours. It is not subject to breakage and may safely be used by non-technical operators. Its low initial cost and long life make it well suited for school and home use.

TYPE	DESCRIPTION	PRICE	CODE
340-A	Prestalloy Cutting Needle	2.00	DALDY

Presto Steel Cutting Needles

Presto steel cutting needles are recommended only for home recording. These needles cut very quietly but their life is limited to about one half hour of service after which they must be replaced.

TYPE	DESCRIPTION	PRICE	CODE
350-A	Steel Cutting Needle (Pkg. of 3)	1.00	DASTE
350-B	Steel Cutting Needle (Carton—12 packages of 3)	12.00	DATOR

Presto Sapphire Playing Needles

A semi-permanent playing needle giving an average of 500 hours of service if used only on Presto recordings and vinylite pressings.

TYPE	DESCRIPTION	PRICE	CODE
420-A	Sapphire Playing Needle	1.25	DAUVE

Presto Transcriptone Playing Needles

A semi-permanent metal alloy needle having a playing life of 40 to 50 hours on commercial phonograph records and considerably longer life if used exclusively on Presto recordings and vinylite transcriptions.

TYPE	DESCRIPTION	PRICE	CODE
430-A	Transcriptone Playing Needle	1.00	DAVEY



Presto Steel Playing Needles

A carefully shaped, shadowgraph inspected, playing needle, recommended for general use.

TYPE	DESCRIPTION	PRICE	CODE
440-A	Red Shank Steel Playing Needle (Pkg. of 25)	.25	DAVID
440-B	Red Shank Steel Playing Needle (Carton—40 pkgs. of 25)	10.00	DAWES

Presto Disclube

A record preservative that hardens the surface of the groove and aids in protecting the recording from the effect of dust or finger prints.

TYPE	DESCRIPTION	PRICE	CODE
450-A	Two ounce can	.45	DISOZ

PRESTO RECORDING CORPORATION

NEW YORK, U. S. A.

PRESTO DISCS AND NEEDLES

For Commercial, Educational and Home Recording

THERE are many types of non-professional recording activities such as off-the-air recordings of radio artists, recordings of speech and music students or recordings made for home entertainment, where it is not necessary to use the highest quality of recording blank. For these purposes, Presto makes the Orange Seal, Blue Label and Monogram discs which are somewhat less expensive than the Green Seal disc but give comparable results. The coating material used on these discs is the same as that used on the Green Seal disc. The difference lies entirely in the base material. All three types of discs may be cut on both sides and are packed in cartons of ten. Each disc is labeled and enclosed in an individual envelope. Playing time per side for the various sizes is as follows:

6"	1	minute (s)	12"	4 1/2	" minute (s)
8"	2	"	16"	15	" (33 1/3 RPM)
10"	3 1/2	"			

Presto Orange Seal Discs

(Medium Aluminum Base). Recommended for use where high quality reproduction is required.

TYPE	SIZE	THICKNESS	PRICE (Box of 10)	CODE (Box of 10)
306-A	6"	.036	4.00	ORABE
308-A	8"	.036	5.50	ORBAL
310-A	10"	.036	8.00	ORCAR
312-A	12"	.036	10.00	ORDEL
316-A	16"	.051	20.00	OREAN

Presto Blue Label Discs

(Light Aluminum Base). An excellent disc for educational and experimental recordings.

TYPE	SIZE	THICKNESS	PRICE (Box of 10)	CODE (Box of 10)
406-A	6"	.025	2.50	BLAME
408-A	8"	.025	4.00	BLENT
410-A	10"	.025	6.00	BLINK



Presto Monogram Discs

(Composition Base). An economical disc for home recording.

TYPE	SIZE	THICKNESS	PRICE (Box of 10)	CODE (Box of 10)
706-A	6"	.050	2.50	MOBEL
708-A	8"	.050	4.00	MONOR
710-A	10"	.050	6.00	MOSEY
712-A	12"	.050	7.50	MOTAX

Presto Sapphire Cutting Needles

For cutting instantaneous recordings, Presto offers four types of needles. The sapphire needle makes the quietest cut and has an average life of five hours after each sharpening. It may be resharpened about eight times.

TYPE	DESCRIPTION	PRICE	CODE
320-A	Sapphire Cutting Needle	6.00	DABAC
806-B	Resharpening Sapphire Point	2.50	DACEL